







14



Würth Elektronik WR-TBL are available in many different connection types and offer large and modular terminal block possibilities in order to fulfill most of the requirements which can be found in the industrial marketplace.

- Wire protector system
- Rising clamp system
- Pluggable system
- Spring clamp system

the cost effective solution for a secure connection

the quality screwed connection

easy mating/un-mating

the screwless solution

Wire protector system



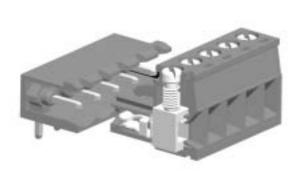
Pluggable system



Rising clamp system



Spring clamp system





Approval n°

UL File	E315414	VDE	40022608	VDE	40023402
VDE	40022614	VDE	40024437	VDE	40023651
VDE	40022612	VDE	40023195	VDE	40023652
				VDE	40023353

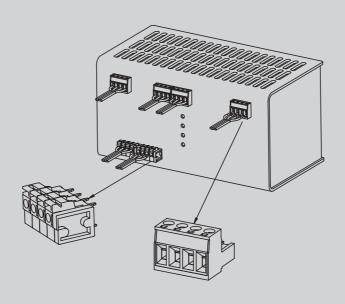








NEW	40	3.50mm Wire protector system	14-06
	100	5.00mm Wire protector system	14-07 to 14-11
NEW	80	3.50mm Rising clamp system	14-12
	80	5.00mm Rising clamp system	14-13 to 14-17
NEW	80	5.08mm Rising clamp system	14-18
NEW	80	7.50mm Rising clamp system	14-19
NEW	80	7.62mm Rising clamp system	14-20
NEW	80	10.16mm Rising clamp system	14-21
NEW	100	3.50mm Plugable system	14-22 to 14-31
	30	3.81mm Plugable system	14-32 to 14-41
	-	5.00mm Plugable system	14-42 & 14-43
NEW	100	5.00mm Plugable system	14-44 to 14-53
	100	5.08mm Plugable system	14-54 to 14-70
NEW	30	7.62mm Plugable system	14-71 to 14-85
NEW	*	Coding key	14-86 & 14-87
NEW	=	2.54mm Spring clamp system	14-88 & 14-89
NEW	=	3.50mm Spring clamp system	14-90
	=	5.00mm Spring clamp system	14-91 to 14-95
NEW	A. Carrie	Design Kit	14-96



14





Sub-familly	Pitch	PCB/Cable	Modularity	Туре	Colour	Option	Wire/Height	p/n	page	
	3.5mm pitch						1,5mm²	691 103 110 0xx	14-6	NEV
				Horizontal cable entry			2,5mm²	691 101 710 0xx	14-7	1
Pressure clamp sys-			Modular	J,	Blue		1,5mm²	691 102 710 0xx	14-8	
system	5.0mm pitch			Vertical cable entry			1,5mm²	691 104 700 0xx	14-9	NE\
				Horizontal cable			2.0mm ²	691 111 710 0xx	14-10	1
			Not modular	entry	Green		3.0mm ²	691 121 710 0xx	14-11	1
	3.5mm pitch			Horizontal entry			1.5mm²	691 214 110 0xx	14-12	NE
					Blue		3.5mm ²	691 201 720 0xx	14-13	1
		PCB		45° cable entry			3.5mm²/15.5mm	691 211 720 0xx	14-14	
	5.0mm pitch			Horizontal cable			3.5mm²/14.3mm	691 212 710 0xx	14-15	1
Rising cage clamp				entry			1.5mm²/10.0mm	691 213 710 0xx	14-16	1
system			Modular	Vertical cable entry			3.5mm ²	691 215 700 0xx	14-17	NE
	5.08mm pitch				Green		3.5mm ²	691 216 510 0xx	14-18	NE)
	7.5mm pitch			Horizontal cable			3.5mm ²	691 217 910 0xx	14-19	NE
	7.62mm pitch			entry			3.5mm ²	691 218 410 0xx	14-20	NE
	10.16mm pitch						8.5mm ²	691 219 610 0xx	14-21	NE
								691 361 100 0xx	14-22	NE
				Vertical cable entry		Flanges	_	691 364 100 0xx	14-23	NE
							-	691 363 110 0xx	14-24	NE/
		Cable		Harizantal aabla		Flanges	- 1.5mm²	691 365 110 0xx	14-25	NE
		.5mm pitch	3	Horizontal cable entry		Hook BS	-	691 366 110 0xx	14-26	NE
	3.5mm pitch					Hook/Flanges		691 367 110 0xx	14-27	NE
				Vertical		Close ends	_	691 321 100 0xx	14-28	NE
						Close ends/Flanges	_	691 323 100 0xx	14-29	NE
						Close ends	_	691 322 110 0xx	14-30	NE
				Horizontal RA		Close ends/Flanges	_	691 325 110 0xx	14-31	NE
			Not modular Cable	Vertical cable entry	Green	Close Griddy'i lariges		691 361 300 0xx	14-32	- 1
						Flanges	1.5mm²	691 364 300 0xx	14-33	NE\
						Hook WS		691 363 310 0xx	14-34	NE
		Cable		Horizontal cable entry		Hook/Flanges		691 365 310 0xx	14-35	NE
		pitch				Hook BS		691 366 310 0xx	14-36	NE
	3.81mm pitch					Hook/Flanges	_	691 367 310 0xx	14-37	NE
			-			Close ends	_	691 321 300 0xx	14-37	NE
Pluggable system				Vertical		Close ends/Flanges	_	691 323 300 0xx	14-39	NE
1 luggable system		PCB				Close ends/ langes	_	691 322 310 0xx	14-40	NE
				Horizontal RA			_			NE
		Cable	Modular	Harizontal	Blue	Close ends/Flanges	2.0mm ²	691 325 310 0xx 691 301 710 0xx	14-41	NE
				Horizontal		Divinible menually				-
		PCB	Modular	Pin header	Black	Divisible manually	-	691 300 700 0xx	14-43	
				Vertical cable entry		Floress	-	691 352 710 0xx	14-44	NE)
		Cable				Flanges Hook WS	3.0mm ²	691 343 710 0xx 691 351 700 0xx	14-45	NE/
				Horizontal cable entry			-			NE
	5.0mm pitch		-	Sy		Hook/Flanges		691 340 700 0xx	14-47	
				Mark 1		Close ends	-	691 311 700 1xx	14-48	NE)
			Not mediate:	Vertical	Crean	Open ends	-	691 311 700 0xx	14-49	1
		PCB	Not modular		Green	Close ends/Flanges	-	691 318 700 0xx	14-50	NE
				Hadan 1 184		Close ends	-	691 313 710 0xx	14-51	NE
				Horizontal RA		Open ends	-	691 312 710 0xx	14-52	NE
			-			Close ends/Flanges	-	691 317 710 0xx	14-53	NE
	5.00 " .	0.11		Mark 1				691 351 500 0xx	14-54	
	5.08mm pitch	Cable		Vertical		Flanges	3.0mm ²	691 340 500 0xx	14-55	NE
								691 353 500 0xx	14-56	

14-4 09/08



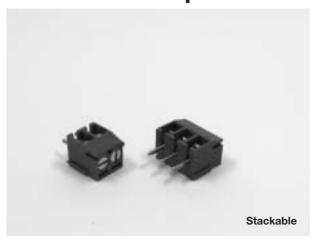
Sub-familly	Pitch	PCB/Cable	Modularity	Туре	Colour	Option	Wire/Height	p/n	page			
						Hook WS		691 352 510 0xx	14-57	1		
				Horizontal cable		Hook WS/Flanges	1	691 343 510 0xx	14-58	NEW		
		Cable		entry		Hook BS	- 3.0mm ²	691 344 510 0xx	14-59	NEW		
						Hook BS/Flanges	-	691 345 510 0xx	14-60	NEW		
					-	Close ends	-	691 311 500 1xx	14-61	NEW		
				Vertical		Open ends	-	691 311 500 0xx	14-62	1		
	5.00					Close ends/Flanges	-	691 318 500 0xx	14-63	NEW		
	5.08mm pitch	PCB			1	Close ends	-	691 313 510 0xx	14-64	1		
				Horizontal RA		Open ends	-	691 312 510 0xx	14-65	1		
						Close ends/Flanges	-	691 317 510 0xx	14-66	NEW		
				45°	1	Close ends	-	691 314 520 1xx	14-67	NEW		
		Cable r.g.		Vertical cable entry	1		2.5mm ²	691 348 500 0xx	14-68	NEW		
		PCB reverse		Vertical	1		-	691 307 500 0xx	14-69	NEW		
		gender		Horizontal RA	1		-	691 309 510 0xx	14-70	NEW		
			Not modular	Vertical cable entry	Green			691 351 400 0xx	14-71	NEW		
Pluggable system				Vertical cable entry		Flanges		691 340 400 0xx	14-72	NEW		
		Cable		Horizontal cable entry		Hook WS	2.0mm²	691 352 410 0xx	14-73	NEW		
		Cable				Hook WS/Flanges	- 3.0mm²	691 343 410 0xx	14-74	NEW		
						Hook BS		691 344 410 0xx	14-75	NEW		
						Hook BS/Flanges		691 345 410 0xx	14-76	NEW		
				Vertical Horizontal RA		Close ends	-	691 311 400 1xx	14-77	NEW		
	7.62mm pitch					Open ends	-	691 311 400 0xx	14-78	NEW		
		PCB				Close ends/Flanges	-	691 318 400 0xx	14-79	NEW		
		FOB				Close ends	-	691 313 410 0xx	14-80	NEW		
						Open ends	-	691 312 410 0xx	14-81	NEW		
								Close ends/Flanges	-	691 317 410 0xx	14-82	NEW
		Cable r.g.		Vertical cable entry			3.0mm ²	691 348 400 0xx	14-83	NEW		
		PCB reverse		Vertical			-	691 307 400 0xx	14-84	NEW		
		gender		Horizontal RA			-	691 309 410 0xx	14-85	NEW		
	3.5 & 3.81mm	Coding key	-	-	Red	-	-	691 399 900 00x	14-86	NEW		
	5.0/5.08/7.62mm	County Ney	-	-	1100	-	-	691 399 900 00x	14-87	NEW		
	2.54mm pitch			Horizontal cable	Green		0.5mm ²	691 402 910 0xx	14-88	NEW		
	2.0-min piton			Vertical cable entry	Gradii		0.0.11111	691 403 900 0xx	14-89	NEW		
	3.5mm pitch			45° cable entry	Grey		1.5mm²	691 412 120 0xx	14-90			
Screwless		PCB	Not modular	Horizontal cable	Green/Orang		2.0mm ²	691 401 710 0xx	14-91			
00.0000		. 05		Vertical cable entry	е		2.011111	691 401 700 0xx	14-92			
	5.0mm pitch			45° cable entry	Grey		3.0mm ²	691 414 720 0xx	14-93	NEW		
				Horizontal cable	Grey/White		2.0mm ²	691 411 710 0xx	14-94			
				45° cable entry	Grey		3.0mm ²	691 413 720 0xx	14-95	NEW		
Design kit	-	-	-	-	-	-	-	691 001	14-96	NEW		

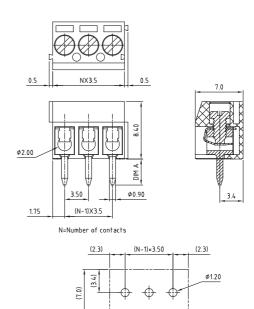
14





Serie 1031 - 3.5mm Horizontal Entry Modular with Pressure Clamp - 1.5mm² Wires WR-TBL





PCB LAYOUT - COMPONENT VIEW



MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Metal housing:
 Terminal screw:
 Wire guard:
 Steel Zinc plating "-" slot type

 Wire guard:
 Stainless steel
 Surface of solder tail plating:
 Tin

ENVIRONMENTAL

Operating temperature: -40 °C up to 105 °C
 Compliance: Lead free & RoHS
 Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL

• Current rating:

• Working voltage:

• Withstanding voltage:

• Contact resistance:

UL

10A

125Vac

125Vac

1.25kV

MECHANICAL

Solid wire: 26 - 16AWG / 0.13 - 1.5mm²
 Stranded wire: 26 - 16AWG / 0.13 - 1.5mm²
 Torque: 1.7Lb-In / 0.2Nm

Wire strip length
Screw:
Pitch:
5 - 6mm
M2
3.5mm

PACKAGING

• Box

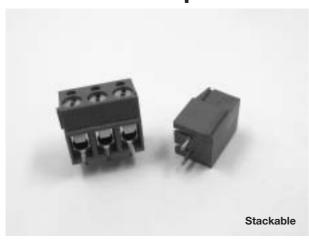
Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

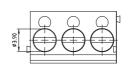
Order Code	Pins	AWG	Approval Certification
691 103 110 002	2	See Mechanical characteristics	
691 103 110 003	3	Gee Mechanical Characteristics	75

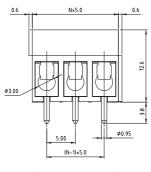
14-6 09/08

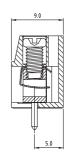


Serie 101 - 5.0mm Horizontal Entry Modular with Pressure Clamp - 2.5mm² Wires WR-TBL



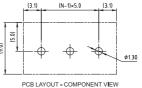






VDE

16A





MATERIAL

ENVIRONMENTAL

Operating temperature: -40 °C up to 105 °C
 Compliance: Lead free & RoHS
 Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL UL
• Current rating: 16A
• Working voltage: 250Vac 2

Working voltage: 250Vac
 Withstanding voltage: 1.5kV 2.0kV
 Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 26 - 14AWG / 1.0 - 2.5mm²
 Stranded wire: 26 - 14AWG / 1.0 - 2.5mm²
 Torque: 2.6Lb-ln / 0.6Nm

Wire strip length
 Screw:
 Pitch:
 6 - 7mm
 M3
 5.0mm

PACKAGING

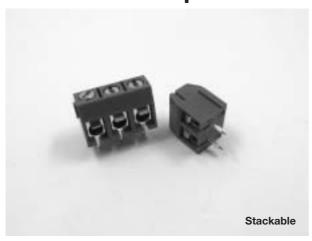
• Box

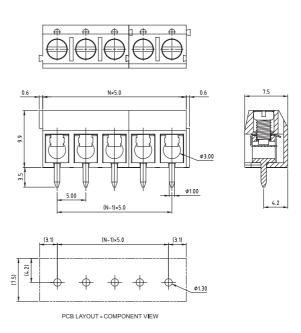
Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 101 710 002	2	See Mechanical characteristics	
691 101 710 003	3	Gee Mechanical Characteristics	VOE



Serie 102 - 5.0mm Horizontal Entry Modular with Pressure Clamp - 1.5mm² Wires WR-TBL







MATERIAL

Insulator material:
Flammability rating:
Colour:
Metal housing:
Terminal screw:
Wire guard:
Surface of solder tail plating:

PA 66
UL94-V0
UL94-V0
Blue
Brass (CuZn)
Steel Zinc plating "-" slot type
Wire guard:
Stainless steel
Surface of solder tail plating:
Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:

-40 °C up to 105 °C
Lead free & RoHS
See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 15A 17.5A

• Working voltage: 300Vac 250Vac

• Withstanding voltage: 1.6kV 2.0kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 22 - 14AWG / 0.75 - 1.5mm²
 Stranded wire: 22 - 14AWG / 0.75 - 1.5mm²
 Torque: 2.6Lb-In / 0.4Nm

Wire strip length
Screw:
Pitch:
5 - 6mm
M2.6
5.0mm

PACKAGING

• Box

Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

Order Code	Order Code Pins AWG		Approval Certification
691 102 710 002	2	See Mechanical characteristics	c al us voe
691 102 710 003	3	Gee Wechanical Characteristics	c TE us <u>YDE</u>

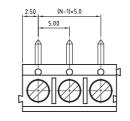
14-8 09/08

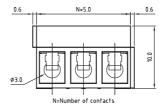


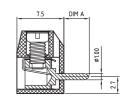


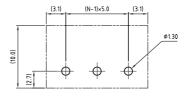
Serie 1047 - 5.0mm Vertical Entry Modular with Pressure Clamp - 1.5mm² Wires WR-TBL











PCB LAYOUT - COMPONENT VIEW



MATERIAL

PA 66 • Insulator material: · Flammability rating: UL94-V0 • Colour: Blue · Metal housing: Brass (CuZn) Steel Zinc plating "-" slot type • Terminal screw: Stainless steel

• Wire guard: · Surface of solder tail plating:

ENVIRONMENTAL

-40 °C up to 105 °C • Operating temperature: • Compliance: Lead free & RoHS · Safety approval: See table

SOLDERING

JEDEC lead free wave soldering • Solder temperature:

ELECTRICAL cULus • Current rating: 16A · Working voltage: 250Vac • Withstanding voltage: 1.5kV • Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 22 - 14AWG / 0.75 - 1.5mm² • Stranded wire: 22 - 16AWG / 1.31 - 1.5mm² • Torque: 2.6Lb-In / 0.4Nm

· Wire strip length 5 - 6mm M2.6 Screw: • Pitch: 5.0mm

PACKAGING

Box

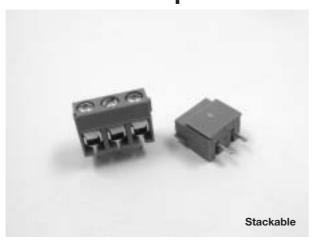
Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

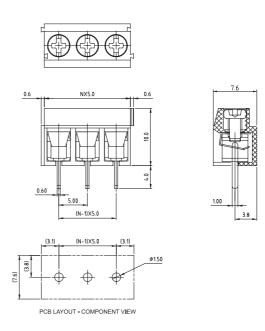
Order Code	Pins	AWG	Approval Certification
691 104 700 002	2	See Mechanical characteristics	
691 104 700 003	3	Gee Mechanical Characteristics	c Al us

14-9 09/08



Serie 111 - 5.0mm Horizontal Entry Modular with Pressure Clamp - 2.0mm² Wires WR-TBL







MATERIAL

• Insulator material: PA 66 · Flammability rating: UL94-V0 • Colour: Green • Metal housing: Brass (CuZn) Steel Zinc plating "+/-" slot type • Terminal screw:

• Wire guard: Stainless steel

· Surface of solder tail plating:

ENVIRONMENTAL

-40 °C up to 105 °C • Operating temperature: • Compliance: Lead free & RoHS · Safety approval: See table

SOLDERING

JEDEC lead free wave soldering • Solder temperature:

ELECTRICAL

UL 88 • Current rating: · Working voltage: 300Vac 1.6kV • Withstanding voltage:

• Contact resistance:

20 mOhm max

MECHANICAL

• Solid wire: 26 - 14AWG / 0.13 - 2.0mm² • Stranded wire: 26 - 14AWG / 0.13 - 2.0mm² • Torque: 2.6Lb-In - 0.4Nm

· Wire strip length 5 - 6mm M2.5 Screw: · Pitch: 5.0mm

PACKAGING

Box

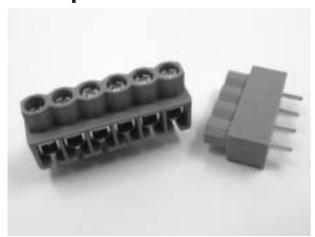
Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

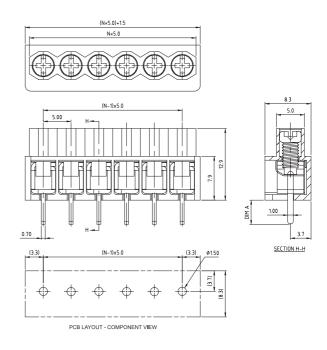
Order Code	Pins	AWG	Approval Certification
691 111 710 002	2	See Mechanical characteristics	
691 111 710 003	3	Gee Mechanical Characteristics	70

14-10 09/08



Serie 121 - 5.0mm Horizontal Entry with Pressure Clamp - 3.3mm² Wires WR-TBL







MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Metal housing:
 Terminal screw:
 Wire guard:

 PA 66

 UL94-V0

 Green
 Brass (CuZn)
 Steel Zinc plating "+/-" slot type
 Wire guard:
 Stainless steel

Surface of solder tail plating:

ENVIRONMENTAL

Operating temperature: -40 °C up to 105 °C
 Compliance: Lead free & RoHS
 Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE
• Current rating: 10A 17.5A
• Working voltage: 300Vac 450Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 20 - 12AWG / 0.5 - 3.3mm²
 Stranded wire: 20 - 12AWG / 0.5 - 3.3mm²
 Torque: 3.5Lb-In / 0.4Nm

Wire strip length
Screw:
Pitch:
6 - 7mm
M3
5.0mm

PACKAGING

• Box

Note: Other pin number are available but subject to MOQ and not kept in stock

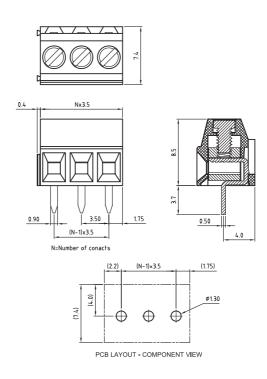
Order Code	Pins	AWG	Approval Certification
691 121 710 004	4	See Mechanical characteristics	.
691 121 710 006	6	Gee Wechanical Characteristics	c Al us VDE





Serie 2141 - 3.5mm Horizontal Entry Modular with Rising Cage Clamp - 1.5mm² Wires WR-TBL







MATERIAL

PA 66 • Insulator material: · Flammability rating: UL94-V0 · Colour: Blue · Metal housing: Brass (CuZn) • Terminal screw: Steel Zinc plating "-" slot type • Contacts: Brass

ENVIRONMENTAL

• Operating temperature: -40 °C up to 105 °C Lead free & RoHS Compliance: · Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering **ELECTRICAL** • Current rating:

cULus 10A · Working voltage: 300Vac • Withstanding voltage: 1.6kV • Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 24 - 16AWG / 0.2 - 1.5mm² • Stranded wire: 24 - 16AWG / 0.2 - 1.5mm² 1.7Lb-In / 0.23Nm • Torque:

• Wire strip length 5 - 6mm Screw: M2.0 • Pitch: 3.5mm

PACKAGING

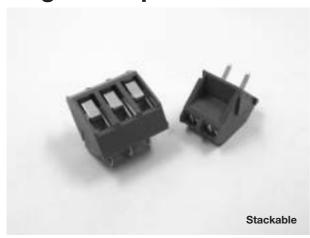
Box

Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

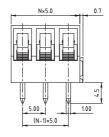
Order Code	Pins	AWG	Approval Certification	
691 214 110 002	2	See Mechanical characteristics		
691 214 110 003	3	Gee Wechanical Characteristics	e Sus	

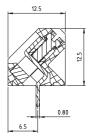


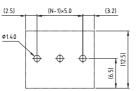
Serie 201 - 5.0mm 45° Entry Modular with Rising Cage Clamp - 3.5mm² Wires WR-TBL











PCB LAYOUT - COMPONENT VIEW



MATERIAL

PA 66 • Insulator material: · Flammability rating: UL94-V0 • Colour: Blue • Metal housing: Brass (CuZn) • Terminal screw: Steel Zinc plating "-" slot type • Contacts: Brass

ENVIRONMENTAL

• Operating temperature: $-40~^{\circ}\text{C}$ up to 105 $^{\circ}\text{C}$ Lead free & RoHS • Compliance: · Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering **ELECTRICAL**

cULus • Current rating: 15A · Working voltage: 300Vac • Withstanding voltage: 1.6kV • Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 24 - 12AWG / 0.2 - 3.5mm² • Stranded wire: 24 - 12AWG / 0.2 - 3.5mm² • Torque: 3.5Lb-In / 0.4Nm

• Wire strip length 6 - 7mm M2.5 Screw: • Pitch: 5.0mm

PACKAGING

Box

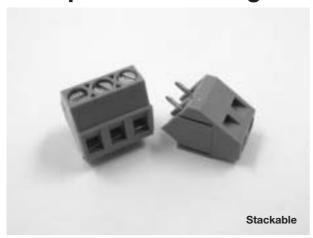
Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

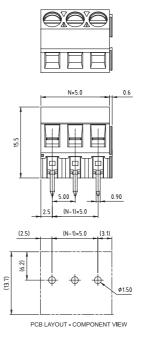
Order Code	Pins	AWG	Approval Certification	
691 201 720 002	2	See Mechanical characteristics	c Al us	
691 201 720 003	3	Gee Wechanical Characteristics	c TS us	

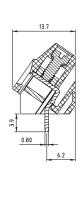
14-13 09/08



Serie 211 - 5.0mm 45° Entry Modular with Rising Cage Clamp - 15.5mm Height - 3.5mm² Wires WR-TBL









MATERIAL

• Insulator material: PA 66 · Flammability rating: UL94-V0 • Colour: Green · Metal housing: Brass (CuZn) • Terminal screw: Steel Zinc plating "-" slot type • Contact: Brass

ENVIRONMENTAL

• Surface of solder tail plating:

-40 °C up to 105 °C • Operating temperature: • Compliance: Lead free & RoHS · Safety approval: See table

SOLDERING

JEDEC lead free wave soldering • Solder temperature:

ELECTRICAL

UL 10A • Current rating: · Working voltage: 300Vac 1.6kV • Withstanding voltage: • Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 24 - 12AWG / 0.2 - 3.5mm² • Stranded wire: 24 - 12AWG / 0.2 - 3.5mm² • Torque: 3.5Lb-In / 0.4Nm

· Wire strip length 6 - 7mm Screw: M2.5 · Pitch: 5.0mm

PACKAGING

Box

Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

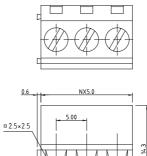
Order Code	Pins	AWG	Approval Certification
691 211 720 002	2	See Mechanical characteristics	
691 211 720 003	3	Gee Wednamear Characteristics	c AL us

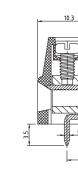
14-14 09/08

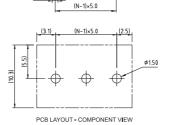


Serie 212 - 5.0mm Horizontal Entry Modular with Rising Cage Clamp - 3.5mm² Wires WR-TBL











MATERIAL

• Insulator material: PA 66 · Flammability rating: UL94-V0 • Colour: Green · Metal housing: Brass (CuZn) • Terminal screw: Steel Zinc plating "-" slot type • Contacts: Brass

• Surface of solder tail plating:

ENVIRONMENTAL

-40 °C up to 105 °C • Operating temperature: • Compliance: Lead free & RoHS · Safety approval: See table

SOLDERING

JEDEC lead free wave soldering • Solder temperature:

ELECTRICAL

UL 10A • Current rating: · Working voltage: 300Vac 1.6kV • Withstanding voltage: · Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 22 - 12 AWG / 0.3 - 3.5mm² 22 - 12 AWG / 0.3 - 3.5mm² • Stranded wire: • Torque: 3.5Lb-In / 0.4Nm

· Wire strip length 6 - 7mm Screw: M2.5 · Pitch: 5.0mm

PACKAGING

Box

Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

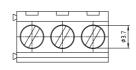
Order Code	Pins	AWG	Approval Certification
691 212 710 002	2	See Mechanical characteristics	
691 212 710 003	3	Gee Mechanical Characteristics	745

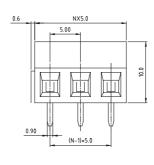
14-15 09/08

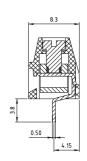


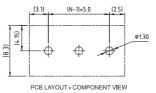
Serie 213 - 5.0mm Horizontal Entry Modular with Rising Cage Clamp - 1.5mm² Wires WR-TBL













MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Metal housing:
 Terminal screw:

 Steel Zinc plating "-" slot type
 Contacts:

Contacts:Surface of solder tail plating:

ENVIRONMENTAL

Operating temperature: -40 °C up to 105 °C
 Compliance: Lead free & RoHS
 Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL UL VDE

• Current rating: 10A 10A

• Working voltage: 300Vac 250Vac

• Withstanding voltage: 1.6kV 2.0kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 26 - 16AWG / 0.13 - 1.5mm²
 Stranded wire: 26 - 16AWG / 0.13 - 1.5mm²
 Torque: 3.5Lb-In / 0.4Nm

Wire strip length
 Screw:
 Pitch:
 5 - 6mm
 M2.5
 5.0mm

PACKAGING

• Box

Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

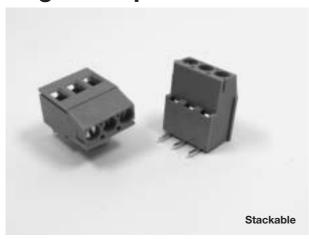
Order Code	Pins	AWG	Approval Certification
691 213 710 002	2	See Mechanical characteristics	
691 213 710 003	3	Gee Mechanical Characteristics	▼ VDE

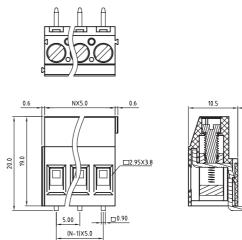
14-16 09/08

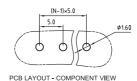




Serie 2157 - 5.0mm Vertical Entry Modular with Rising Cage Clamp - 3.5mm² Wires WR-TBL









MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Metal housing:
 Terminal screw:

 Steel Zinc plating "-" slot type
 Contacts:

Contacts: BrassSurface of solder tail plating: Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL CULus

• Current rating: 20A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 30 - 12AWG / 0.05 - 3.5mm²
 Stranded wire: 30 - 12AWG / 0.05 - 3.5mm²
 Torque: 3.5Lb-In / 0.4Nm

Wire strip length
Screw: M3.0
Pitch: 5.0mm

PACKAGING

• Box

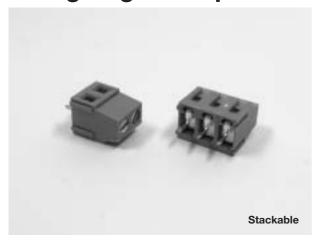
Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

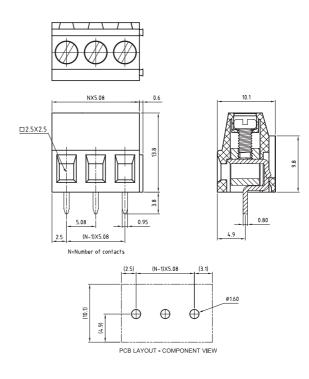
Order Code	Pins	AWG	Approval Certification
691 215 700 002	2	See Mechanical characteristics	c Al us
691 215 700 003	3	Gee Mechanical Characteristics	c all us





Serie 2165 - 5.08mm Horizontal Entry Modular with Rising Cage Clamp - 3.5mm² Wires WR-TBL







MATERIAL

• Insulator material: To define · Flammability rating: UL94-V0 • Colour: Green · Metal housing: Brass (CuZn) • Terminal screw: Steel Zinc plating "-" slot type

• Contacts: **Brass** • Surface of solder tail plating:

ENVIRONMENTAL

-40 °C up to 105 °C • Operating temperature: • Compliance: Lead free & RoHS · Safety approval: See table

SOLDERING

JEDEC lead free wave soldering • Solder temperature:

ELECTRICAL

UL 10A • Current rating: · Working voltage: 300Vac • Withstanding voltage: 1.6kV • Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 24 - 12AWG / 0.20 - 3.5mm² • Stranded wire: 24 - 12AWG / 0.20 - 3.5mm² • Torque: 3.5Lb-In / 0.4Nm

· Wire strip length 6 - 7mm Screw: M2.5 · Pitch: 5.08mm

PACKAGING

Box

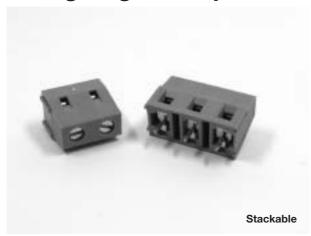
Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

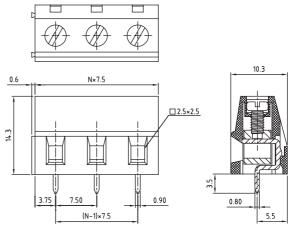
Order Code	Pins	AWG	Approval Certification
691 216 510 002	2	See Mechanical characteristics	
691 216 510 003	3	Gee Wechanical Characteristics	74

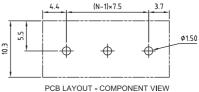




Serie 2179 - 7.50mm Horizontal Entry Modular with Rising Cage Clamp - 4.0mm² Wires WR-TBL









MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Metal housing:

 Terminal screw:
 PA 66
 UL94-V0
 Green
 Brass (CuZn)
 Steel Zinc plating "-" slot type

Contacts: BrassSurface of solder tail plating: Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:

-40 °C up to 105 °C
Lead free & RoHS
See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL UL VDE

• Current rating: 10A 10A

• Working voltage: 300Vac 450Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 22 - 12AWG / 0.34 - 4.0mm²
 Stranded wire: 22 - 12AWG / 0.34 - 4.0mm²
 Torque: 3.5Lb-In / 0.4Nm

Wire strip length
 Screw: M2.5
 Pitch: 7.50mm

PACKAGING

• Box

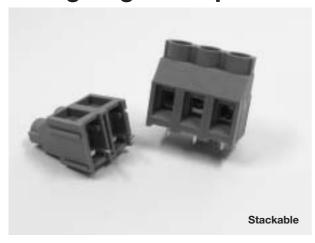
Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

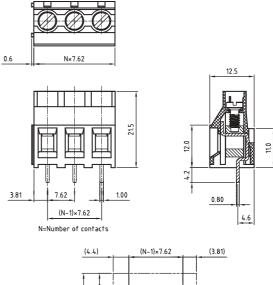
Order Code	Pins	AWG	Approval Certification
691 217 910 002	2	See Mechanical characteristics	
691 217 910 003	3	Gee Wednamear Characteristics	VDE.

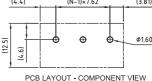




Serie 2184 - 7.62mm Horizontal Entry Modular with Rising Cage Clamp - 5.3mm² Wires WR-TBL









MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Metal housing:

 Terminal screw:
 PA 66
 UL94-V0
 Green
 Brass (CuZn)
 Steel Zinc plating "-" slot type

Contacts: BrassSurface of solder tail plating: Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:

-40 °C up to 105 °C
Lead free & RoHS
See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL CULus

• Current rating: 30A

• Working voltage: 300Vac

Withstanding voltage: 1.6kVContact resistance: 20 mOhm max

MECHANICAL

Solid wire: 24 - 10AWG / 0.20 - 5.3mm²
 Stranded wire: 24 - 10AWG / 0.20 - 5.3mm²
 Torque: 8.9Lb-In / 1.0Nm

Wire strip length
 Screw: M3.5
 Pitch: 7.62mm

PACKAGING

• Box

Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

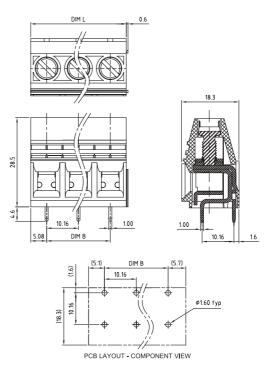
Order Code	Pins	AWG	Approval Certification
691 218 410 002	2	See Mechanical characteristics	51
691 218 410 003	3	Gee Wednamear Characteristics	cus





Serie 2196 - 10.16mm Horizontal Entry Modular with Rising Cage Clamp - 8.5mm² Wires WR-TBL







MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Metal housing:
 Terminal screw:

 Steel Zinc plating "-" slot type
 Contacts:

• Contacts: Bra
• Surface of solder tail plating:

ENVIRONMENTAL

Operating temperature: -40 °C up to 105 °C
 Compliance: Lead free & RoHS
 Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL CULus

• Current rating: 57A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 22 - 8AWG / 0.30 - 8.5mm²
 Stranded wire: 22 - 8AWG / 0.30 - 8.5mm²
 Torque: 19Lb-In / 2.15Nm

Wire strip length
 Screw: M4.5
 Pitch: 10.16mm

PACKAGING

• Box

Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 219 610 002	2	See Mechanical characteristics	
691 219 610 003	3	Gee Mechanical Characteristics	o Tabus

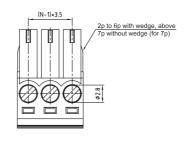


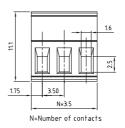


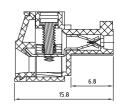
Serie 3611 - 3.50mm Vertical Cable Entry Plug -1.5mm² Wires WR-TBL

PA 66











MATERIAL

 Insulator material: · Flammability rating: UL94-V0 • Colour: Green · Metal housing: Brass (CuZn) Steel Zinc plating "-" slot type • Terminal screw: PhBz, Tin plated • Wire guard:

ENVIRONMENTAL

• Operating temperature: -40 °C up to 105 °C Lead free & RoHS • Compliance: · Safety approval: See table **ELECTRICAL** cULus VDE 10A • Current rating: 10.5A · Working voltage: 300Vac 300Vac • Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 26 - 16AWG / 0.13 - 1.5mm² • Stranded wire: 26 - 16AWG / 0.13 - 1.5mm² • Torque: 3Lb-In / 0.2Nm

• Wire strip length 6 - 7mm • Screw: • Pitch: 3.50mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

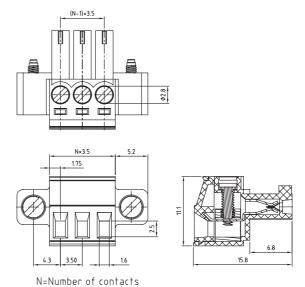
Order Code	Pins	AWG	Approval Certification
691 361 100 002	2		
691 361 100 003	3		
691 361 100 004	4	See Mechanical characteristics	
691 361 100 005	5	Gee Wechanical Characteristics	c Al us VDE
691 361 100 006	6		
691 361 100 008	8		





Serie 3641 - 3.50mm Vertical Cable Entry Plug with Flanges - 1.5mm² Wires WR-TBL







MATERIAL

Insulator material:

Flammability rating:
Colour:
Metal housing:
Terminal screw:

Steel Zinc plating "-" slot type
Wire guard:

PhBz, Tin plated

Flange screw:
Steel M2.5

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

ELECTRICAL cULus VDE

• Current rating: 10A 10.5A

• Working voltage: 300Vac 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 26 - 16AWG / 0.13 - 1.5mm²
 Stranded wire: 26 - 16AWG / 0.13 - 1.5mm²
 Torque: 3Lb-In / 0.2Nm

Wire strip length
 Screw:
 Pitch:
 6 - 7mm
 M2
 3.50mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

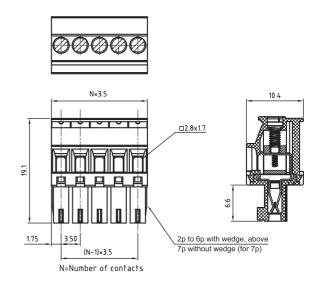
Order Code	Pins	AWG	Approval Certification
691 364 100 002	2		
691 364 100 003	3		
691 364 100 004	4	See Mechanical characteristics	c Al us Voe
691 364 100 005	5		C Maus YVIII
691 364 100 006	6		
691 364 100 008	8		





Serie 3631 - 3.50mm Horizontal Cable Entry Plug with Hook on Wire Side - 1.5mm² Wires WR-TBL







MATERIAL • Insulator material:

· Flammability rating: UL94-V0 Colour: Green • Metal housing: Brass (CuZn) Steel Zinc plating "-" slot type • Terminal screw: PhBz, Tin plated • Wire guard:

ENVIRONMENTAL

• Operating temperature:

• Compliance:

· Safety approval:

-40 °C up to 105 °C Lead free & RoHS See table

PA 66

ELECTRICAL

cULus VDE 10A • Current rating: 8A · Working voltage: 300Vac 300Vac • Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 28 - 16AWG / 0.08 - 1.5mm²

• Stranded wire: 28 - 16AWG / 0.08 - 1.5mm²

6 - 7mm

• Torque: 1.7Lb-In / 0.2Nm

• Wire strip length

• Screw: M2

• Pitch: 3.50mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

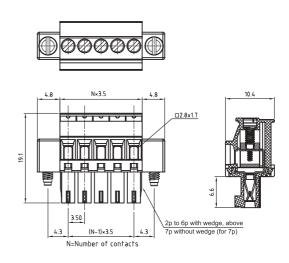
Approval Certification Order Code Pins AWG 691 363 110 002 2 691 363 110 003 3 691 363 110 004 4 See Mechanical characteristics c us **∠VDE** 691 363 110 005 5 691 363 110 006 6 691 363 110 008 8





Serie 3651 - 3.50mm Horizontal Cable Entry Plug with Hook on Wire Side - 1.5mm² Wires WR-TBL







MATERIAL

Insulator material:
Flammability rating:
Colour:
Metal housing:
Terminal screw:
Wire guard:
Flange screw:

PA 66
UL94-V0
Uc green
Brass (CuZn)
Steel Zinc plating "-" slot type
Whire guard:

PhBz, Tin plated
Flange screw:
Steel M2.5

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

ELECTRICAL cULus VDE

• Current rating: 8A 10A

• Working voltage: 300Vac 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 26 - 16AWG / 0.13 - 1.5mm²
 Stranded wire: 26 - 16AWG / 0.13 - 1.5mm²
 Torque: 1.7Lb-In / 0.2Nm

Wire strip length
 Screw:
 Pitch:
 6 - 7mm
 M2
 3.50mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 365 110 002	2		
691 365 110 003	3		
691 365 110 004	4	See Mechanical characteristics	
691 365 110 005	5	Gee Wechanical Characteristics	c Al us voe
691 365 110 006	6		
691 365 110 008	8		

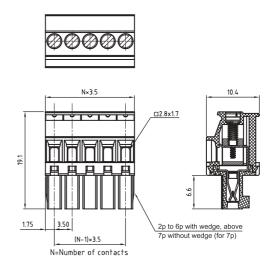
14-25





Serie 3661 - 3.50mm Horizontal Cable Entry Plug with Hook on Back Side - 1.5mm² Wires WR-TBL







MATERIAL • Insulator material:

· Flammability rating: UL94-V0 Colour: Green • Metal housing: Steel Zinc plating "-" slot type • Terminal screw: PhBz, Tin plated

8

• Wire guard:

ENVIRONMENTAL

• Operating temperature: • Compliance:

· Safety approval:

691 366 110 008

Brass (CuZn)

PA 66

-40 °C up to 105 °C Lead free & RoHS See table **ELECTRICAL**

cULus Current rating: 8A · Working voltage: 300Vac • Withstanding voltage: 1.6kV

• Contact resistance:

2.5kV 20 mOhm max

VDE 10A

300Vac

∠VDE

MECHANICAL

• Solid wire: 28 - 16AWG / 0.08 - 1.5mm² • Stranded wire: 28 - 16AWG / 0.08 - 1.5mm² • Torque:

1.7Lb-In / 0.2Nm 6 - 7mm

• Wire strip length • Screw:

• Pitch: 3.50mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

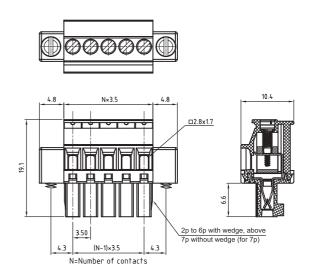
Approval Certification Order Code Pins AWG 691 366 110 002 2 691 366 110 003 3 691 366 110 004 4 See Mechanical characteristics c us 691 366 110 005 5 691 366 110 006 6





Serie 3671 - 3.50mm Horiz. Cable Entry Plug with Flanges & Hook on Back Side - 1.5mm² Wires WR-TBL







MATERIAL

Insulator material:
Insulator material:
Flammability rating:
Colour:
Metal housing:
Terminal screw:
Wire guard:
Flange screw:
PA 66
UL94-V0
UL94-V0
Green
Frass (CuZn)
Frass (CuZn)
Steel Zinc plating "-" slot type
Wire guard:
PhBz, Tin plated
Flange screw:
Steel M2.5

ENVIRONMENTAL

Operating temperature: -40 °C up to 105 °C
 Compliance: Lead free & RoHS
 Safety approval: See table

ELECTRICAL cULus VDE

• Current rating: 8A 10A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 26 - 16AWG / 0.13 - 1.5mm²
 Stranded wire: 26 - 16AWG / 0.13 - 1.5mm²
 Torque: 1.7Lb-In / 0.2Nm

Wire strip length
 Screw:
 Pitch:
 6 - 7mm
 M2
 3.50mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

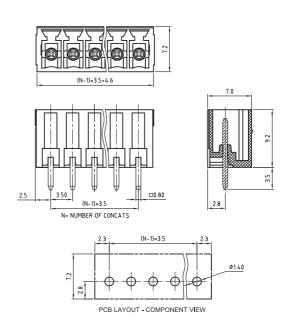
Order Code	Pins	AWG	Approval Certification
691 367 110 002	2		
691 367 110 003	3		
691 367 110 004	4	See Mechanical characteristics	
691 367 110 005	5		c Fl us
691 367 110 006	6		
691 367 110 008	8		





Serie 3211 - 3.50mm Vertical PCB Header WR-TBL







MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Contact PIN:

 Brass (CuZn)
 Surface of solder tail plating:

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 10A 10.5A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 3.50mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

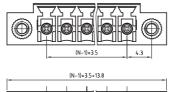
Order Code	Pins	AWG	Approval Certification	
691 321 100 002	2			
691 321 100 003	3			
691 321 100 004	4	See Mechanical characteristics	c al us /voe	
691 321 100 005	5	oce Weenamear characteristics	c AL us (vde)	
691 321 100 006	6			
691 321 100 008	8			

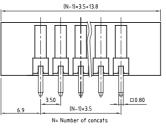


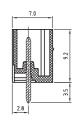


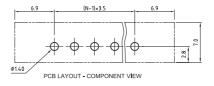
Serie 3231 - 3.50mm Vertical PCB Header with Flanges WR-TBL













MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Contact PIN:

 Brass (CuZn)
 Surface of solder tail plating:

Surface of solder tail plating: Tin
 Flange screw nut: Brass M2.5

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 10A 10.5A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 3.50mm

PACKAGING

Box

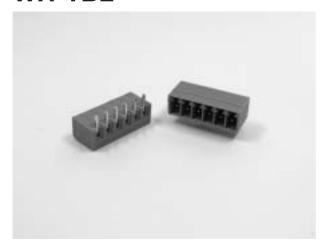
Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

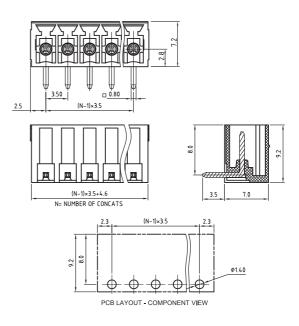
Order Code	Pins	AWG	Approval Certification
691 323 100 002	2		
691 323 100 003	3		
691 323 100 004	4	See Mechanical characteristics	
691 323 100 005	5		c Al us voe
691 323 100 006	6		
691 323 100 008	8		





Serie 3221 - 3.50mm Horizontal PCB Header **WR-TBL**







MATERIAL

PA 66 Insulator material: · Flammability rating: UL94-V0 • Colour: Green • Contact PIN: Brass (CuZn) • Surface of solder tail plating: Tin

ENVIRONMENTAL

• Operating temperature: -40 °C up to 105 °C • Compliance: Lead free & RoHS • Safety approval: See table

SOLDERING

JEDEC lead free wave soldering • Solder temperature:

ELECTRICAL cULus VDE 10A • Current rating: 10.5A · Working voltage: 300Vac 300Vac 2.5kV • Withstanding voltage: 1.6kV

20 mOhm max • Contact resistance:

MECHANICAL

• Pitch: 3.50mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

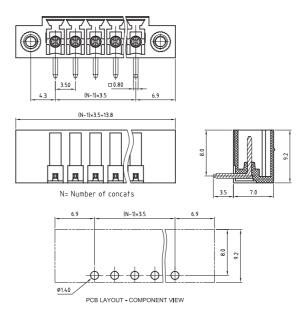
Order Code	Pins	AWG	Approval Certification
691 322 110 002	2		
691 322 110 003	3		
691 322 110 004	4	See Mechanical characteristics	c Al us voe
691 322 110 005	5		c all us <u>voe</u>
691 322 110 006	6		
691 322 110 008	8		





Serie 3251 - 3.50mm Horizontal PCB Header with Flanges WR-TBL







MATERIAL

Flammability rating: UL94-V0
 Colour: Green
 Contact PIN: Brass (CuZn)
 Surface of solder tail plating: Tin
 Flange screw nut: Brass M2.5

ENVIRONMENTAL

Insulator material:

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 10A 10.5A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 3.50mm

PACKAGING

Box

PA 66

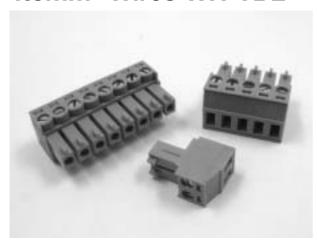
Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

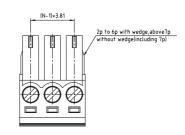
Order Code	Pins	AWG	Approval Certification
691 325 110 002	2		
691 325 110 003	3		
691 325 110 004	4	See Mechanical characteristics	
691 325 110 005	5		c Al us VDE
691 325 110 006	6		
691 325 110 008	8		

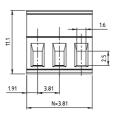


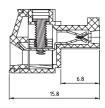


Serie 361 - 3.81mm Vertical Cable Entry Plug -1.5mm² Wires WR-TBL











MATERIAL

 Insulator material: · Flammability rating:

• Colour:

• Metal housing:

• Terminal screw:

Wire guard:

ENVIRONMENTAL

• Operating temperature:

• Compliance:

• Safety approval:

PA 66 UL94-V0

Green Brass (CuZn)

Steel Zinc plating "-" slot type

PhBz Tin plated

-40 °C up to 105 °C Lead free & RoHS

See table

• (

V

V

MECHANICAL

Solid wire: • Stranded wire:

• Torque:

• Wire strip length

• Screw:

• Pitch:

PACKAGING

Box

0 xx = 02 to 24pin

ECTRICAL	cULus	VDE
Current rating:	10A	10.5A
Working voltage:	300Vac	300Vac
Withstanding voltage:	1.6kV	2.5kV
Contact resistance:	20 mO	hm max

26 - 16AWG / 0.13 -1.5mm²

26 - 16AWG / 0.13 -1.5mm² 3.0Lb-In / 0.2Nm

> 6 - 7mm 3.81mm

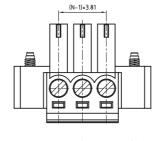
Order Code	Pins	AWG	Approval Certification
691 361 300 0 xx	2 to 24	See Mechanical characteristics	c Al us (Ne

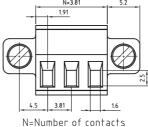


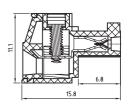


Serie 3643 - 3.81mm Vertical Cable Entry Plug with Flanges Screw - 1.5mm² Wires WR-TBL











MATERIAL

Insulator material:

Flammability rating:
Colour:
Metal housing:
Terminal screw:

Steel Zinc plating "-" slot type
Wire guard:

PhBz, Tin plated

Flange screw:
Steel M2.5

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

ELECTRICAL cULus VDE

• Current rating: 10A 10.5A

• Working voltage: 300Vac 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 26 - 16AWG / 0.13 - 1.5mm²
 Stranded wire: 26 - 16AWG / 0.13 - 1.5mm²
 Torque: 3Lb-In / 0.2Nm

Wire strip length
 Screw:
 Pitch:
 6 - 7mm
 M2
 3.81mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 364 300 002	2		
691 364 300 003	3		
691 364 300 004	4	See Mechanical characteristics	
691 364 300 005	5		c Al us Voe
691 364 300 006	6		
691 364 300 008	8		

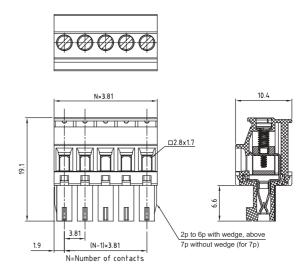
14





Serie 3633 - 3.81mm Horizontal Cable Entry Plug with Hook on Wire Side - 1.5mm² Wires WR-TBL







MATERIAL

• Insulator material: · Flammability rating: UL94-V0 Colour: Green • Metal housing: Brass (CuZn) Steel Zinc plating "-" slot type • Terminal screw: PhBz, Tin plated • Wire guard:

ENVIRONMENTAL

• Operating temperature: -40 °C up to 105 °C • Compliance: Lead free & RoHS · Safety approval: See table **ELECTRICAL** cULus VDE • Current rating: 8A 10A · Working voltage: 300Vac 300Vac • Withstanding voltage: 1.6kV 2.5kV • Contact resistance: 20 mOhm max

MECHANICAL

PA 66

• Solid wire: 28 - 16AWG / 0.08 - 1.5mm² • Stranded wire: 28 - 16AWG / 0.08 - 1.5mm² • Torque: 1.7Lb-In / 0.2Nm

• Wire strip length 6 - 7mm • Screw: • Pitch: 3.81mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 363 310 002	2		
691 363 310 003	3		
691 363 310 004	4	See Mechanical characteristics	c al us Vos
691 363 310 005	5		c Al us Voi
691 363 310 006	6		
691 363 310 008	8		

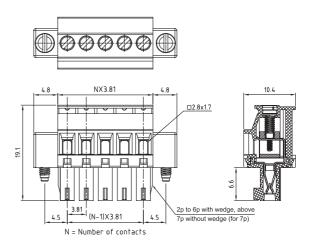
14-34 09/08





Serie 3653 - 3.81mm Horizontal Cable Entry Plug with Flanges & Hook on Wire Side - 1.5mm² Wires WR-TBL







MATERIAL

Insulator material:

Flammability rating:
Colour:
Metal housing:
Terminal screw:

Steel Zinc plating "-" slot type
Wire guard:

PhBz, Tin plated

Flange screw:
Steel M2.5

ENVIRONMENTAL

Operating temperature: -40 °C up to 105 °C
 Compliance: Lead free & RoHS
 Safety approval: See table

ELECTRICAL cULus VDE

• Current rating: 8A 10A

• Working voltage: 300Vac 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 28 - 16AWG / 0.08 - 1.5mm²
 Stranded wire: 28 - 16AWG / 0.08 - 1.5mm²
 Torque: 1.7Lb-In / 0.2Nm

Wire strip length
 Screw:
 Pitch:
 6 - 7mm
 M2
 3.81mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

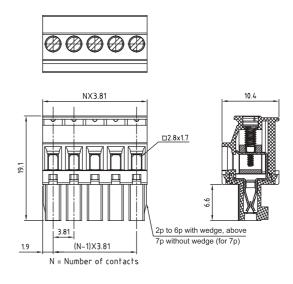
Order Code	Pins	AWG	Approval Certification
691 365 310 002	2		
691 365 310 003	3		
691 365 310 004	4	Con Machaniael characteristics	
691 365 310 005	5	See Mechanical characteristics	c Al us voe
691 365 310 006	6		
691 365 310 008	8		





Serie 3663 - 3.81mm Horizontal Cable Entry Plug with Hook on Back Side - 1.5mm² Wires WR-TBL







MATERIAL

• Insulator material: · Flammability rating: UL94-V0 Colour: Green • Metal housing: Brass (CuZn) Steel Zinc plating "-" slot type • Terminal screw: PhBz, Tin plated • Wire guard:

ENVIRONMENTAL

• Operating temperature:

• Compliance:

· Safety approval:

-40 °C up to 105 °C Lead free & RoHS See table

PA 66

ELECTRICAL

cULus VDE 10A Current rating: 8A · Working voltage: 300Vac 300Vac • Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 28 - 16AWG / 0.08 - 1.5mm² • Stranded wire: 28 - 16AWG / 0.08 - 1.5mm²

• Torque: 1.7Lb-In / 0.2Nm

• Wire strip length 6 - 7mm • Screw: M2 • Pitch: 3.81mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

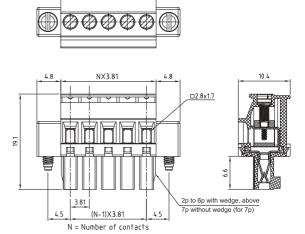
Approval Certification Order Code Pins AWG 691 366 310 002 2 691 366 310 003 3 691 366 310 004 4 See Mechanical characteristics c us **∠**VDE 691 366 310 005 5 691 366 310 006 6 691 366 310 008 8





Serie 3673 - 3.81mm Horizontal Cable Entry Plug with Flanges & Hook on Back Side - 1.5mm² Wires WR-TBL







MATERIAL

Insulator material:
Flammability rating:
Colour:
Metal housing:
Terminal screw:
Wire guard:
Flange screw:
PA 66
UL94-V0
UL94-V0
Green
Brass (CuZn)
Steel Zinc plating "-" slot type
Wire guard:
PhBz, Tin plated
Flange screw:
Steel M2.5

ENVIRONMENTAL

Operating temperature: -40 °C up to 105 °C
 Compliance: Lead free & RoHS
 Safety approval: See table

ELECTRICAL cULus VDE

• Current rating: 8A 10A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 26 - 16AWG / 0.13 - 1.5mm²
 Stranded wire: 26 - 16AWG / 0.13 - 1.5mm²
 Torque: 1.7Lb-In / 0.2Nm

Wire strip length
 Screw:
 Pitch:
 6 - 7mm
 M2
 3.81mm

PACKAGING

Box

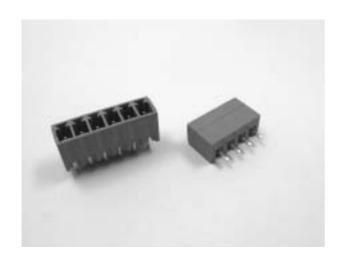
Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

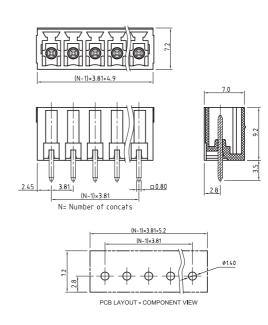
Order Code	Pins	AWG	Approval Certification
691 367 310 002	2		
691 367 310 003	3		
691 367 310 004	4	See Mechanical characteristics	
691 367 310 005	5	Gee Mechanical Characteristics	c Al us Voe
691 367 310 006	6		
691 367 310 008	8		





Serie 321 - 3.81mm Vertical PCB Header WR-TBL







MATERIAL

PA 66 Insulator material: · Flammability rating: UL94-V0 • Colour: Green Metal housing: Brass (CuZn) • Surface of solder tail plating:

ENVIRONMENTAL

• Operating temperature: -40 °C up to 105 °C • Compliance: Lead free & RoHS • Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering **ELECTRICAL**

cULus VDE 10A Current rating: 10.5A · Working voltage: 300Vac 300Vac 2.5kV • Withstanding voltage: 1.6kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 3.81mm

PACKAGING

Box

0 xx = 02 to 24pin

Order Code	Pins	AWG	Approval Certification
691 321 300 0 xx	2 to 24	See Mechanical characteristics	c M us voe

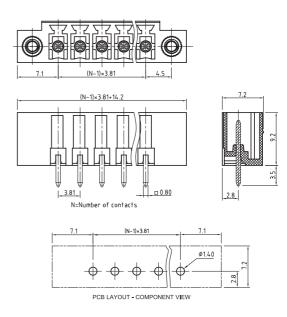
14-38 09/08





Serie 3233 - 3.81mm Vertical PCB Header with Flanges WR-TBL







MATERIAL

Insulator material: PA 66
 Flammability rating: UL94-V0
 Colour: Green
 Contact PIN: Brass (CuZn)
 Surface of solder tail plating: Tin

• Flange screw nut: Brass M2.5

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 10A 10.5A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 3.81mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

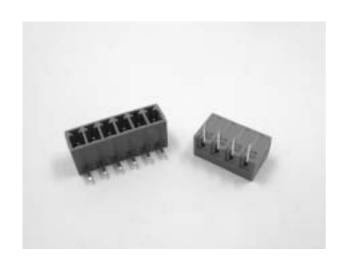
Order Code	Pins	AWG	Approval Certification
691 323 300 002	2		
691 323 300 003	3		
691 323 300 004	4	See Mechanical characteristics	
691 323 300 005	5	Gee Mechanical Characteristics	c Al us Voe
691 323 300 006	6		
691 323 300 008	8		

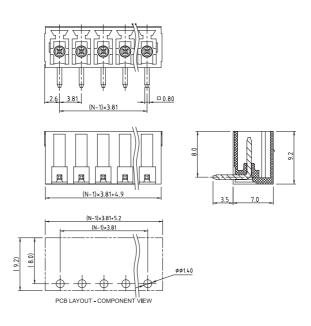
09/08 14-39





Serie 322 - 3.81mm Horizontal PCB Header WR-TBL







MATERIAL

Insulator material: PA 66
 Flammability rating: UL94-V0
 Colour: Green
 Metal housing: Brass (CuZn)
 Surface of solder tail plating: Tin

ENVIRONMENTAL

Operating temperature: -40 °C up to 105 °C
 Compliance: Lead free & RoHS
 Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 10A 10.5A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 3.81mm

PACKAGING

Box

0 xx = 02 to 24pin

Order Code Pins AWG Approval Certification

691 322 310 0 xx 2 to 24 See Mechanical characteristics

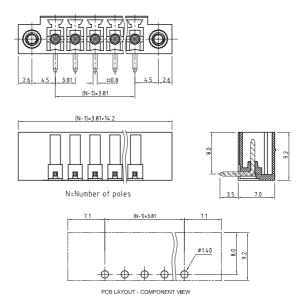
14-40 09/08





Serie 3253 - 3.81mm Horizontal PCB Header with Flanges WR-TBL







MATERIAL

Insulator material: PA 66
 Flammability rating: UL94-V0
 Colour: Green
 Contact PIN: Brass (CuZn)
 Surface of solder tail plating: Tin

• Surface of solder fall plating: In
• Flange screw nut: Brass M2.5

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 10A 10.5A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 3.81mm

PACKAGING

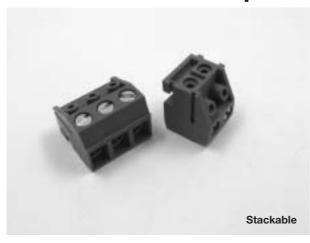
• Box

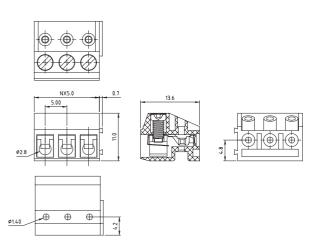
Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 325 310 002	2		
691 325 310 003	3		
691 325 310 004	4	See Mechanical characteristics	
691 325 310 005	5		c Al us
691 325 310 006	6		
691 325 310 008	8		



Serie 301 - 5.0mm Horizontal Entry Modular Plug with Pressure Clamp - 2.0mm² Wires WR-TBL







MATERIAL

• Insulator material: · Flammability rating: • Colour:

• Metal housing:

• Terminal screw:

• Wire guard:

ENVIRONMENTAL

• Operating temperature: Compliance:

· Safety approval:

PA 66

UL94-V0 Blue

Brass (CuZn)

Steel Zinc plating "-" slot type PhBz

> $-40~^{\circ}\text{C}$ up to 105 $^{\circ}\text{C}$ Lead free & RoHS See table

ELECTRICAL

• Current rating: · Working voltage:

• Contact resistance:

• Withstanding voltage:

cULus 15A 300Vac

12A 300Vac 1.6kV 2.5kV

VDE

20 mOhm max

MECHANICAL

• Torque:

• Solid wire: • Stranded wire: 22 - 14AWG / 0.33 - 2.0mm² 22 - 14AWG / 0.33 - 2.0mm² 3.5Lb-In / 0.4Nm

• Wire strip length Screw:

5 - 6mm M2.6 · Pitch: 5.0mm

PACKAGING

Box

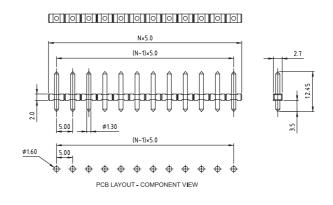
Note: Other pin number are available, based on combinations of 2 & 3pins, but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 301 710 002	2	See Mechanical characteristics	c Nus
691 301 710 003	3	See Mechanical characteristics	c TB us



Serie 300 - 5.0mm Pin Header WR-TBL







MATERIAL

Insulator material: PA 66
 Flammability rating: UL94-V0
 Colour: Black
 Solid PIN: Brass (CuZn)
 Surface of solder tail plating: Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:

-40 °C up to 105 °C
Lead free & RoHS
See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL UL VDE

• Current rating: 15A 12A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

MECHANICAL

• Pitch: 5.0mm

PACKAGING

Box

Note: Other pin number available but subject to MOQ and not kept in stock

Order Code Pins AWG Approval Certification

691 300 700 024 24 See Mechanical characteristics

09/08 14-43

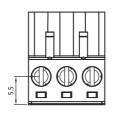


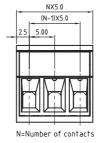


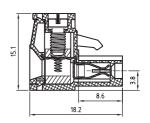
Serie 3527 - 5.00mm Vertical Cable Entry Plug -3.0mm² Wires WR-TBL

PA 66











MATERIAL

 Insulator material: · Flammability rating: UL94-V0 • Colour: Green · Metal housing: Brass (CuZn) Steel Zinc plating "-" slot type • Terminal screw: PhBz Tin plated • Wire guard:

ENVIRONMENTAL

• Operating temperature: -40 °C up to 105 °C Lead free & RoHS • Compliance: · Safety approval: See table **ELECTRICAL** cULus VDE 20A Current rating: 20A · Working voltage: 300Vac 300Vac • Withstanding voltage: 1.6kV 2.5kV • Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 24 - 12AWG / 0.2 - 3.0mm² • Stranded wire: 24 - 12AWG / 0.2 - 3.0mm² • Torque: 5.0Lb-In / 0.5Nm

• Wire strip length 7 - 8mm • Screw: М3 • Pitch: 5.00mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 352 710 002	2		
691 352 710 003	3		
691 352 710 004	4	See Mechanical characteristics	
691 352 710 005	5	See Mechanical Characteristics	c Al us Voe
691 352 710 006	6		
691 352 710 008	8		

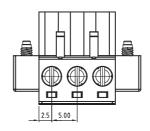
14-44 09/08

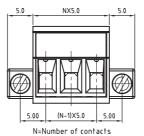


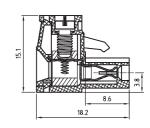


Serie 3437 - 5.00mm Vertical Cable Entry Plug with Flanges - 3.0mm² Wires WR-TBL









VDE

20A

300Vac



MATERIAL

Insulator material:
Flammability rating:
Colour:
Metal housing:
Terminal screw:
Wire guard:
Flange screw:
PA 66
UL94-V0
Green
Brass (CuZn)
Steel Zinc plating "-" slot type
Wire guard:
PhBz Tin plated
Flange screw:
Steel M2.5

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

ELECTRICAL cULus
• Current rating: 20A
• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 24 - 12AWG / 0.2 - 3.0mm²
 Stranded wire: 24 - 12AWG / 0.2 - 3.0mm²
 Torque: 5.0Lb-In / 0.5Nm

Wire strip length
Screw:
Pitch:
7 - 8mm
M3
5.00mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 343 710 002	2		
691 343 710 003	3	See Mechanical characteristics	
691 343 710 004	4		
691 343 710 005	5		c Al us Voe
691 343 710 006	6		
691 343 710 008	8		

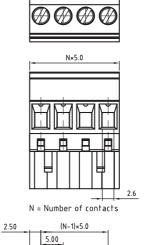
09/08 14-45

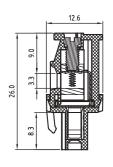




Serie 3517 - 5.00mm Horizontal Cable Entry Plug with Hook on Wire Side - 3.0mm² Wires WR-TBL









MATERIAL

• Insulator material: · Flammability rating: UL94-V0 Colour: Green • Metal housing: Brass (CuZn) Steel Zinc plating "-" slot type • Terminal screw: • Wire guard:

ENVIRONMENTAL

• Operating temperature:

• Compliance:

· Safety approval:

PhBz Tin plated

PA 66

-40 °C up to 105 °C Lead free & RoHS See table

ELECTRICAL

Ø1.60

Ø3.00

cULus VDE Current rating: 15A 17A · Working voltage: 300Vac 300Vac • Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 24 - 12AWG / 0.2 - 3.0mm² • Stranded wire: 24 - 12AWG / 0.2 - 3.0mm² • Torque: 3.5Lb-In / 0.5Nm

• Wire strip length 6 - 7mm • Screw: • Pitch: 5.00mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 351 700 002	2		
691 351 700 003	3		
691 351 700 004	4	See Mechanical characteristics	
691 351 700 005	5		c Al us Voe
691 351 700 006	6		
691 351 700 008	8		

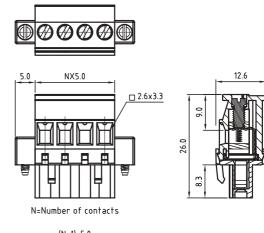
14-46 09/08

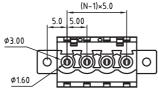




Serie 3407 - 5.00mm Horiz. Cable Entry Plug with Flanges & Hook on Wire Side - 3.0mm² Wires WR-TBL









MATERIAL

Insulator material:

Flammability rating:
Colour:
Metal housing:
Terminal screw:

Wire guard:
Flange screw:

PA 66
UL94-V0
Green
Brass (CuZn)
Steel Zinc plating "-" slot type
PhBz Tin plated
Flange screw:
Steel M2.5

ENVIRONMENTAL

Operating temperature: -40 °C up to 105 °C
 Compliance: Lead free & RoHS
 Safety approval: See table

ELECTRICAL cULus VDE

• Current rating: 15A 17A

• Working voltage: 300Vac 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 24 - 12AWG / 0.2 - 3.0mm²
 Stranded wire: 24 - 12AWG / 0.2 - 3.0mm²
 Torque: 3.5Lb-In / 0.5Nm

Wire strip length
 Screw:
 Pitch:
 6 - 7mm
 M3
 5.00mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

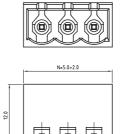
Order Code	Pins	AWG	Approval Certification
691 340 700 002	2		
691 340 700 003	3		
691 340 700 004	4	See Mechanical characteristics	
691 340 700 005	5	Gee Wechanical Characteristics	c Al us (702
691 340 700 006	6		
691 340 700 008	8		



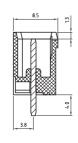


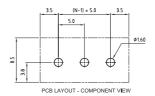
Serie 3117 - 5.00mm Close Vertical PCB Header WR-TBL





N = Number of contacts







MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Contact PIN:
 Surface of solder tail plating:

 PBT

 UL94-V0

 Green
 Brass (CuZn)
 Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 20A 20A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 5.00mm

PACKAGING

• Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

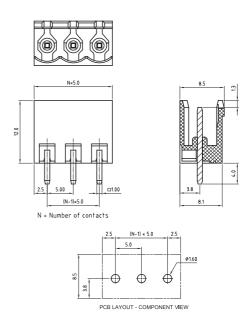
Order Code	Pins	AWG	Approval Certification
691 311 700 102	2		
691 311 700 103	3	See Mechanical characteristics	
691 311 700 104	4		
691 311 700 105	5		c Al us Vide
691 311 700 106	6		
691 311 700 108	8		





Serie 3117 - 5.00mm Open Vertical PCB Header WR-TBL







MATERIAL

ENVIRONMENTAL

 Operating temperature: 	–40 °C up to 105 °C
Compliance:	Lead free & RoHS
Safety approval:	See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 20A 20A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 5.00mm

PACKAGING

• Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

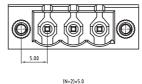
Order Code	Pins	AWG	Approval Certification
691 311 700 002	2		
691 311 700 003	3		
691 311 700 004	4	See Mechanical characteristics	c Al us Voe
691 311 700 005	5	Gee Wednamoar dharacteristics	c M us (voe)
691 311 700 006	6		
691 311 700 008	8		

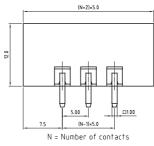


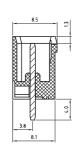


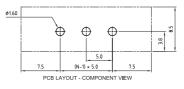
Serie 3187 - 5.00mm Close Vertical PCB Header with Flanges WR-TBL













MATERIAL

 Insulator material: · Flammability rating: UL94-V0 Green • Colour: • Contact PIN: Brass (CuZn) • Surface of solder tail plating: Tin Brass M2.5 • Flange screw nut:

ENVIRONMENTAL

• Operating temperature: -40 °C up to 105 °C Lead free & RoHS • Compliance: · Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering **ELECTRICAL** cULus VDE 20A • Current rating: 20A · Working voltage: 300Vac 300Vac • Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 5.00mm

PACKAGING

Box

PBT

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

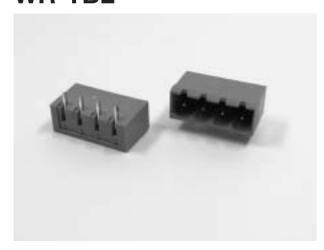
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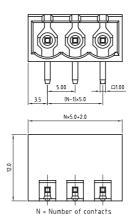
Order Code	Pins	AWG	Approval Certification
691 318 700 002	2		
691 318 700 003	3		
691 318 700 004	4	See Mechanical characteristics	
691 318 700 005	5	Gee Mechanical Characteristics	c Al us YDE
691 318 700 006	6		
691 318 700 008	8		

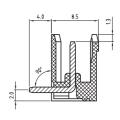


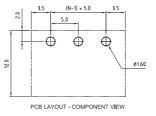


Serie 3137 - 5.00mm Close Horizontal PCB Header WR-TBL











MATERIAL

Insulator material: PBT
 Flammability rating: UL94-V0
 Colour: Green
 Contact PIN: Brass (CuZn)
 Surface of solder tail plating: Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 20A 20A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 5.00mm

PACKAGING

• Box

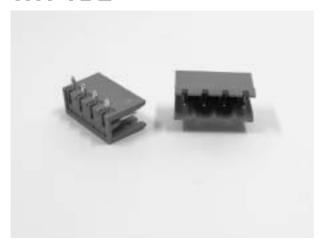
Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

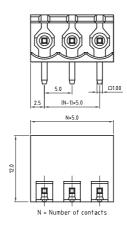
Order Code	Pins	AWG	Approval Certification
691 313 710 002	2		
691 313 710 003	3		
691 313 710 004	4	See Mechanical characteristics	
691 313 710 005	5	Gee Wechanical Characteristics	c Al us VDE
691 313 710 006	6		
691 313 710 008	8		

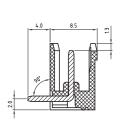


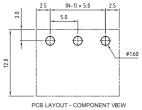


Serie 3127 - 5.00mm Open Horizontal PCB Header **WR-TBL**











MATERIAL

• Insulator material: PBT · Flammability rating: UL94-V0 • Colour: Green • Contact PIN: Brass (CuZn) • Surface of solder tail plating:

ENVIRONMENTAL

–40 °C up to 105 °C • Operating temperature: • Compliance: Lead free & RoHS See table • Safety approval:

SOLDERING

JEDEC lead free wave soldering • Solder temperature:

ELECTRICAL cULus VDE • Current rating: 20A 20A · Working voltage: 300Vac 300Vac • Withstanding voltage: 1.6kV 2.5kV • Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 5.00mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

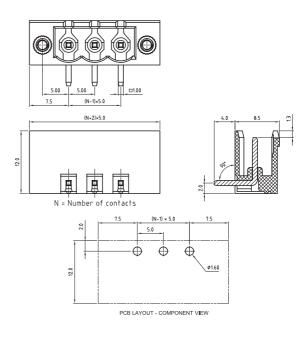
Order Code	Pins	AWG	Approval Certification
691 312 710 002	2		
691 312 710 003	3		
691 312 710 004	4	See Mechanical characteristics	
691 312 710 005	5	See Mechanical Characteristics	c Al us voe
691 312 710 006	6		
691 312 710 008	8		





Serie 3177 - 5.00mm Close Horizontal PCB Header with Flanges WR-TBL







MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Contact PIN:
 Surface of solder tail plating:
 Flange screw nut:

 PBT

 UL94-V0

 Bress (CuZn)
 Tin
 Flange screw nut:
 Brass M2.5

ENVIRONMENTAL

Operating temperature: -40 °C up to 105 °C
 Compliance: Lead free & RoHS
 Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 20A 20A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 5.00mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

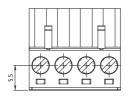
Order Code	Pins	AWG	Approval Certification
691 317 710 002	2		
691 317 710 003	3		
691 317 710 004	4	See Mechanical characteristics	
691 317 710 005	5	Gee Wechanical Characteristics	c Al us Vide
691 317 710 006	6		
691 317 710 008	8		

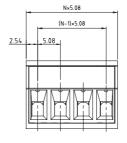


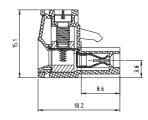


Serie 351 - 5.08mm Vertical Cable Entry Plug -3.0mm² Wires WR-TBL











MATERIAL

 Insulator material: · Flammability rating:

• Colour:

· Metal housing: • Terminal screw:

Wire guard:

ENVIRONMENTAL

• Operating temperature:

• Compliance:

• Safety approval:

PA 66 UL94-V0

Green Brass (CuZn)

Steel Zinc plating "-" slot type

PhBz, Tin plated

-40 °C up to 105 °C Lead free & RoHS

See table

ELECTRICAL

• Contact resistance:

MECHANICAL

• Solid wire:

• Stranded wire:

• Torque:

• Wire strip length

• Screw:

• Pitch:

PACKAGING

Box

0 xx = 02 to 24pin

cULus VDE 20A Current rating: 20A · Working voltage: 300Vac 300Vac • Withstanding voltage: 1.6kV 2.5kV 20 mOhm max

24 - 12AWG / 0.2 - 3.0mm²

24 - 12AWG / 0.2 - 3.0mm²

5Lb-In / 0.5Nm

7 - 8mm М3 5.08mm

Order Code	Pins	AWG	Approval Certification
691 351 500 0 xx	2 to 24	See Mechanical characteristics	c Al us VIDE

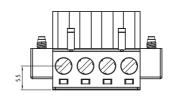
14-54 09/08

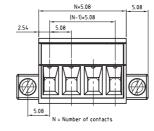


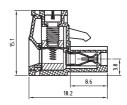


Serie 3405 - 5.08mm Vertical Cable Entry Plug with Flanges - 3.0mm² Wires WR-TBL











MATERIAL

Insulator material:
Flammability rating:
Colour:
Metal housing:
Terminal screw:
Wire guard:
Flange screw:
Steel M2.5

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

ELECTRICAL cULus VDE

• Current rating: 20A 20A

• Working voltage: 300Vac 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 24 - 12AWG / 0.2 - 3.0mm²
 Stranded wire: 24 - 12AWG / 0.2 - 3.0mm²
 Torque: 5Lb-In / 0.5Nm

Wire strip length
 Screw:
 Pitch:
 7 - 8mm
 M3
 5.08mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 340 500 002	2		
691 340 500 003	3		
691 340 500 004	4	See Mechanical characteristics	
691 340 500 005	5	See Wechanical Characteristics	c Al us voe
691 340 500 006	6		
691 340 500 008	8		

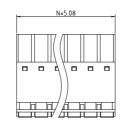
09/08 14-55

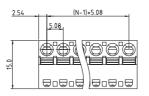




Serie 353 - 5.08mm Screwless Vertical Cable Entry Plug - 3.0mm² Wires WR-TBL











MATERIAL

- Insulator material:
- · Flammability rating:
- Colour:
- Contact:
- Wire guard:

ENVIRONMENTAL

- Operating temperature:
- Compliance:
- Safety approval:

PA 66 UL94-V0 Green

PhBz, Tin plated Stainless Steel

-40 °C up to 105 °C Lead free & RoHS See table **ELECTRICAL**

• Current rating:

• Working voltage:

• Withstanding voltage:

• Contact resistance:

cULus 10A

300Vac 1.6kV

20 mOhm max

MECHANICAL

• Solid wire:

26 - 12AWG / 0.13 to 3.0mm²

• Stranded wire:

26 - 12AWG / 0.13 to 3.0mm²

• Wire strip length • Pitch:

6 - 7mm 5.08mm

PACKAGING

• Box

0 xx = 02 to 24pin

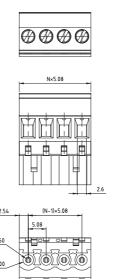
Order Code	Pins	AWG	Approval Certification
691 353 500 0 xx	2 to 24	See Mechanical characteristics	c M us

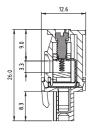




Serie 352 - 5.08mm Horizontal Cable Entry Plug with Hook on Wire Side - 3.0mm² Wires WR-TBL









MATERIAL

 Insulator material: · Flammability rating: • Colour:

· Metal housing: • Terminal screw: • Wire guard:

ENVIRONMENTAL

• Operating temperature:

• Compliance:

· Safety approval:

PA 66 UL94-V0

Green Brass (CuZn)

Steel Zinc plating "-" slot type PhBz Tin plated

> -40 °C up to 105 °C Lead free & RoHS

> > See table

ELECTRICAL

• Current rating:

· Working voltage:

 Withstanding voltag • Contact resistance:

MECHANICAL

• Solid wire: • Stranded wire:

• Torque:

• Wire strip length

• Screw:

• Pitch:

PACKAGING

Box

0 xx = 02 to 24pin

	cULus	VDE
	15A	17A
	300Vac	300Vac
je:	1.6kV	2.5kV
	20 m	Ohm max

24 - 12AWG / 0.20 - 3.0mm² 24 - 12AWG / 0.20 - 3.0mm²

3.5Lb-In / 0.5Nm

6 - 7mm 5.08mm

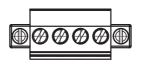
Order Code	Pins	AWG	Approval Certification
691 352 510 0 xx	2 to 24	See Mechanical characteristics	c Al us VVDE

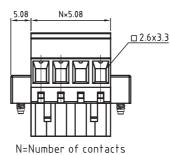


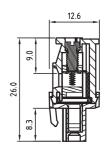


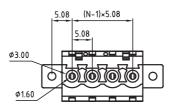
Serie 3435 - 5.08mm Horizontal Cable Entry Plug with Hook on Wire Side & Flanges - 3.0mm² WR-TBL













MATERIAL

Insulator material:

Flammability rating:
Colour:
Metal housing:
Terminal screw:
Wire guard:
Flange screw:

PA 66

UL94-V0

UL94-V0

Green

Steel Zinc plating "-" slot type

PhBz Tin plated

Flange screw:

Steel M2.5

Steel M2.5

Steel M2.5

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

ELECTRICAL cULus VDE

• Current rating: 15A 17A

• Working voltage: 300Vac 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 24 - 12AWG / 0.20 - 3.0mm²
 Stranded wire: 24 - 12AWG / 0.20 - 3.0mm²
 Torque: 3.5Lb-In / 0.5Nm

Wire strip length
 Screw:
 Pitch:
 6 - 7mm
 M3
 5.08mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

14

Order Code	Pins	AWG	Approval Certification
691 343 510 002	2		
691 343 510 003	3		
691 343 510 004	4	See Mechanical characteristics	
691 343 510 005	5		c Al us Voe
691 343 510 006	6		
691 343 510 008	8		

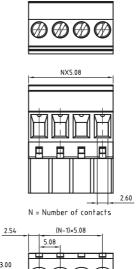
14-58 09/08

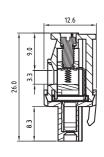




Serie 3445 - 5.08mm Horizontal Cable Entry Plug with Hook on Back Side - 3.0mm² Wires WR-TBL









MATERIAL

• Insulator material: · Flammability rating: UL94-V0 Colour: Green • Metal housing: Brass (CuZn) Steel Zinc plating "-" slot type • Terminal screw: PhBz Tin plated • Wire guard:

ENVIRONMENTAL

• Operating temperature: • Compliance:

· Safety approval:

-40 °C up to 105 °C Lead free & RoHS See table

PA 66

ELECTRICAL cULus VDE • Current rating: 15A 17A · Working voltage: 300Vac 300Vac • Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 24 - 12AWG / 0.20 - 3.0mm² 24 - 12AWG / 0.20 - 3.0mm² • Stranded wire: • Torque: 3.5Lb-In / 0.5Nm

• Wire strip length 6 - 7mm • Screw: • Pitch: 5.08mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

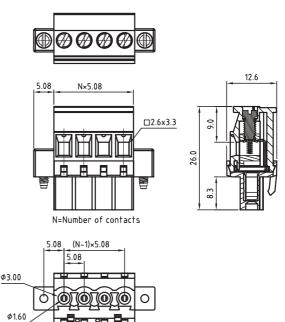
Order Code	Pins	AWG	Approval Certification
691 344 510 002	2		
691 344 510 003	3		
691 344 510 004	4	See Mechanical characteristics	
691 344 510 005	5	See Mechanical Characteristics	c Al us Voe
691 344 510 006	6		
691 344 510 008	8		





Serie 3455 - 5.08mm Horizontal Cable Entry Plug with Hook Back Wire Side & Flanges - 3.0mm² Wires WR-TBL







MATERIAL

Insulator material:

Flammability rating:
Colour:
Metal housing:
Terminal screw:
Wire guard:
Flange screw:

PA 66

UL94-V0

UL94-V0

Green

Steel Zinc plating "-" slot type

PhBz Tin plated

Flange screw:

Steel M2.5

ENVIRONMENTAL

Operating temperature: -40 °C up to 105 °C
 Compliance: Lead free & RoHS
 Safety approval: See table

ELECTRICAL cULus VDE

• Current rating: 15A 17A

• Working voltage: 300Vac 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 24 - 12AWG / 0.20 - 3.0mm²
 Stranded wire: 24 - 12AWG / 0.20 - 3.0mm²
 Torque: 3.5Lb-In / 0.5Nm

Wire strip length
 Screw:
 Pitch:
 6 - 7mm
 M3
 5.08mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

14

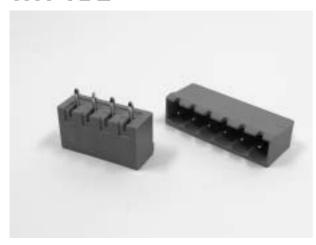
Order Code	Pins	AWG	Approval Certification
691 345 510 002	2		
691 345 510 003	3		
691 345 510 004	4	See Mechanical characteristics	
691 345 510 005	5	Gee Wechanical Characteristics	c Al us Voe
691 345 510 006	6		
691 345 510 008	8		

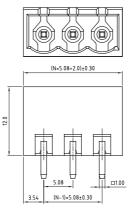
14-60 09/08

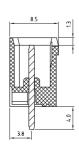




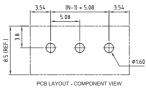
Serie 311 - 5.08mm Close Vertical PCB Header WR-TBL







VDE





MATERIAL

Insulator material: PBT
 Flammability rating: UL94-V0
 Colour: Green
 Contact PIN: Brass (CuZn)
 Surface of solder tail plating: Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULusCurrent rating: 20A

Current rating: 20A 20A
 Working voltage: 300Vac 300Vac
 Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 5.08mm

PACKAGING

• Box

 $\mathbf{xx} = 02 \text{ to } 24 \text{pin}$

Order	Code	Pins	AWG	Approval Certification
691 311	500 1 xx	2 to 24	See Mechanical characteristics	c Al us VDE

09/08 14-61

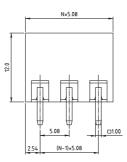


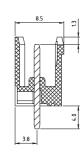


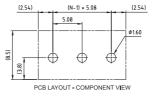
Serie 311 - 5.08mm Open Vertical PCB Header **WR-TBL**













MATERIAL

PBT Insulator material: · Flammability rating: UL94-V0 • Colour: Green • Contact PIN: Brass (CuZn) • Surface of solder tail plating:

ENVIRONMENTAL

• Operating temperature: –40 °C up to 105 °C • Compliance: Lead free & RoHS • Safety approval: See table

SOLDERING

JEDEC lead free wave soldering • Solder temperature:

ELECTRICAL

cULus VDE 20A 20A • Current rating: 300Vac 300Vac • Working voltage: • Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

5.08mm • Pitch:

PACKAGING

• Box

xx = 02 to 24pin

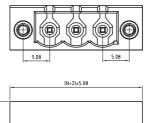
Order Code	Pins	AWG	Approval Certification
691 311 500 0 xx	2 to 24	See Mechanical characteristics	c Nus Vve

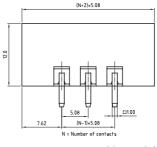


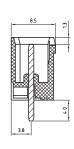


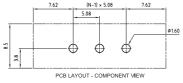
Serie 3185 - 5.08mm Close Vertical PCB Header with Flanges WR-TBL













MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Contact PIN:
 Surface of solder tail plating:

• Flange screw nut: Brass M2.5

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 20A 20A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 5.08mm

PACKAGING

Box

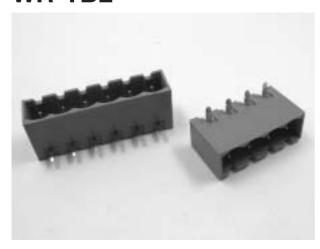
Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

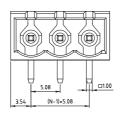
Order Code	Pins	AWG	Approval Certification
691 318 500 002	2		
691 318 500 003	3		
691 318 500 004	4	See Mechanical characteristics	
691 318 500 005	5		c Al us Voe
691 318 500 006	6		
691 318 500 008	8		

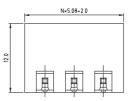




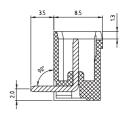
Serie 313 - 5.08mm Close Horizontal PCB Header **WR-TBL**







5.08





MATERIAL

PBT Insulator material: UL94-V0 • Flammability rating: • Colour: Green • Contact PIN: Brass (CuZn) • Surface of solder tail plating:

ENVIRONMENTAL

• Operating temperature: –40 °C up to 105 °C • Compliance: Lead free & RoHS • Safety approval: See table

SOLDERING

JEDEC lead free wave soldering • Solder temperature:

ELECTRICAL

(12.0)

cULus VDE 20A 20A Current rating: 300Vac 300Vac · Working voltage: 2.5kV • Withstanding voltage: 1.6kV • Contact resistance: 20 mOhm max

Ø1.60

PCB LAYOUT - COMPONENT VIEW

• Pitch:

5.08mm

PACKAGING

MECHANICAL

Box

xx = 02 to 24pin

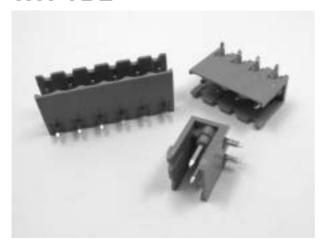
l	4	

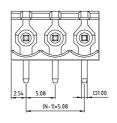
Order Code	Pins	AWG	Approval Certification
691 313 510 0 xx	2 to 24	See Mechanical characteristics	c Al us (voe

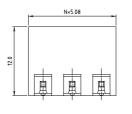




Serie 312 - 5.08mm Open Horizontal PCB Header **WR-TBL**

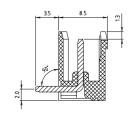






5.08

PCB LAYOUT - COMPONENT VIEW





MATERIAL

PBT Insulator material: UL94-V0 • Flammability rating: • Colour: Green • Contact PIN: Brass (CuZn) • Surface of solder tail plating: Tin

ENVIRONMENTAL

• Operating temperature: –40 °C up to 105 °C • Compliance: Lead free & RoHS Safety approval: See table

SOLDERING

JEDEC lead free wave soldering • Solder temperature:

ELECTRICAL

(2.0)

cULus VDE 20A 20A Current rating: 300Vac 300Vac · Working voltage: 2.5kV • Withstanding voltage: 1.6kV

Ø1.60

• Contact resistance: 20 mOhm max

MECHANICAL

5.08mm • Pitch:

PACKAGING

Box

xx = 02 to 24pin

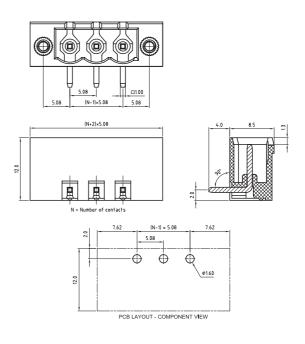
Order Code	Pins	AWG	Approval Certification
691 312 510 0 xx	2 to 24	See Mechanical characteristics	c Al us voe





Serie 3175 - 5.08mm Close Horizontal PCB Header with Flanges WR-TBL







MATERIAL

Insulator material: PBT
 Flammability rating: UL94-V0
 Colour: Green
 Contact PIN: Brass (CuZn)
 Surface of solder tail plating: Tin

Surface of solder tail plating: Tin
 Flange screw nut: Brass M2.5

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 20A 20A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 5.08mm

PACKAGING

• Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

4	

Order Code	Pins	AWG	Approval Certification
691 317 510 002	2		
691 317 510 003	3		
691 317 510 004	4	See Mechanical characteristics	
691 317 510 005	5		c Al us Voe
691 317 510 006	6		
691 317 510 008	8		

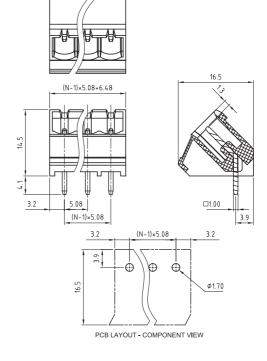
14-66 09/08





Serie 314 - 5.08mm Close 45° PCB Header WR-TBL







MATERIAL

Insulator material: PA 66
 Flammability rating: UL94-V0
 Colour: Green
 Contact PIN: Brass (CuZn)
 Surface of solder tail plating: Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus VDE

• Current rating: 20A 20A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV 2.5kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 5.08mm

PACKAGING

• Box

 $\mathbf{xx} = 02 \text{ to } 24 \text{pin}$

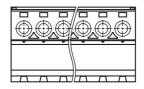
Order Code	Pins	AWG	Approval Certification
691 314 520 1 xx	2 to 24	See Mechanical characteristics	c % us

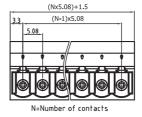


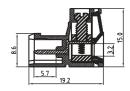


Serie 3485 - 5.08mm Reversed Gender Vertical cable Entry Plug - 3.0mm² Wires WR-TBL











MATERIAL

• Insulator material: · Flammability rating: • Colour:

· Metal housing: Steel Zinc plating "-" slot type • Terminal screw: • Wire guard:

ENVIRONMENTAL

• Operating temperature:

• Compliance:

· Safety approval:

PA 66 UL94-V0

Green Brass (CuZn)

PhBz Tin plated

-40 °C up to 105 °C Lead free & RoHS

See table

ELECTRICAL

• Current rating: · Working voltage: • Withstanding voltage:

• Contact resistance:

cULus 20A 300Vac 1.6kV 20 mOhm max

22 - 12AWG / 0.30 - 3.0mm²

22 - 12AWG / 0.30 - 3.0mm²

5.08mm

MECHANICAL

• Solid wire: • Stranded wire:

• Torque:

5Lb-In / 0.57Nm 7 - 8mm М3

• Wire strip length • Screw:

• Pitch:

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

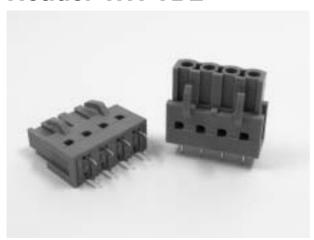
Order Code	Pins	AWG	Approval Certification
691 348 500 002	2	See Mechanical characteristics	Under Processing
691 348 500 003	3		
691 348 500 004	4		
691 348 500 005	5		
691 348 500 006	6		
691 348 500 008	8		

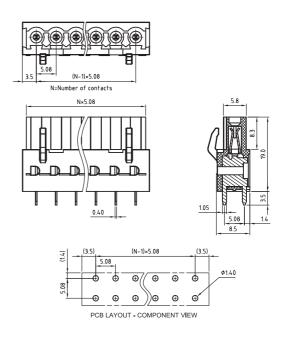
14-68 09/08





Serie 3075 - 5.08mm Reversed Gender Vertical PCB Header WR-TBL







MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Contact PIN:
 Surface of solder tail plating:

 PA 66

 UL94-V0

 Green
 Brass (CuZn)
 Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICALCurrent rating:

Current rating: 10A
Working voltage: 300Vac
Withstanding voltage: 1.6kV
Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 5.08mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

cULus

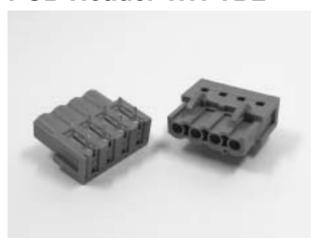
Order Code	Pins	AWG	Approval Certification
691 307 500 002	2	See Mechanical characteristics	Under Processing
691 307 500 003	3		
691 307 500 004	4		
691 307 500 005	5		
691 307 500 006	6		
691 307 500 008	8		

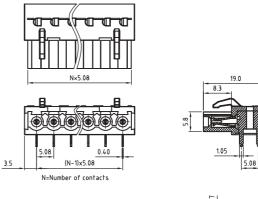
09/08 14-69

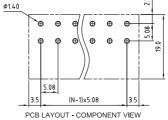




Serie 3095 - 5.08mm Reversed Gender Horizontal **PCB Header WR-TBL**









MATERIAL

PA 66 Insulator material: · Flammability rating: UL94-V0 • Colour: Green • Contact PIN: Brass (CuZn) • Surface of solder tail plating:

ENVIRONMENTAL

• Operating temperature: –40 °C up to 105 °C • Compliance: Lead free & RoHS • Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL

cULus 10A • Current rating: · Working voltage: 300Vac • Withstanding voltage: 1.6kV • Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 5.08mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

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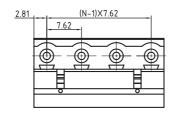
Order Code	Pins	AWG	Approval Certification
691 309 510 002	2	See Mechanical characteristics	Under Processing
691 309 510 003	3		
691 309 510 004	4		
691 309 510 005	5		
691 309 510 006	6		
691 309 510 008	8		

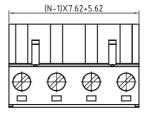




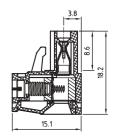
Serie 3514 - 7.62mm Vertical Cable Entry Plug -3.0mm² Wires WR-TBL













MATERIAL

 Insulator material: · Flammability rating: • Colour:

· Metal housing: • Terminal screw: • Wire guard:

ENVIRONMENTAL

• Operating temperature:

• Compliance:

· Safety approval:

PA 66 UL94-V0

Green Brass (CuZn)

Steel Zinc plating "-" slot type PhBz Tin plated

> -40 °C up to 105 °C Lead free & RoHS See table

ELECTRICAL

• Current rating: · Working voltage:

• Contact resistance:

cULus 20A 300Vac 1.6kV

• Withstanding voltage: 20 mOhm max

MECHANICAL

• Solid wire: 24 - 12AWG / 0.2 -3.0mm² • Stranded wire: 24 - 12AWG / 0.2 -3.0mm² • Torque: 5.0Lb-In / 0.5Nm

• Wire strip length 7 - 8mm • Screw: МЗ • Pitch: 7.62mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 16, can be delivered but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 351 400 002	2	See Mechanical characteristics	c. Lus
691 351 400 003	3		
691 351 400 004	4		
691 351 400 005	5		
691 351 400 006	6		
691 351 400 008	8		

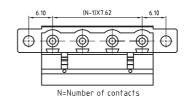
14-71 09/08

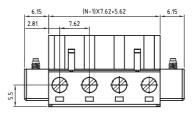


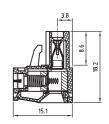


Serie 3404 - 7.62mm Vertical Cable Entry Plug with Flanges - 3.0mm² Wires WR-TBL











MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Metal housing:
 Terminal screw:
 Wire guard:
 Flange screw:

 PA 66

 UL94-V0

 Green
 Steel Zinc plating "-" slot type
 Wire guard:

 PhBz Tin plated

 Flange screw:

 Stell M2.5

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

ELECTRICAL CULus

• Current rating: 20A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV

• Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 24 - 12AWG / 0.2 -3.0mm²
 Stranded wire: 24 - 12AWG / 0.2 -3.0mm²
 Torque: 5.0Lb-In / 0.5Nm

Wire strip length 7 - 8mm
 Screw: M3
 Pitch: 7.62mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 16, can be delivered but they are not kept in stock and are subject to MOQ

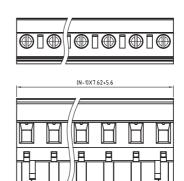
Order Code	Pins	AWG	Approval Certification
691 340 400 002	2	See Mechanical characteristics	c sa us
691 340 400 003	3		
691 340 400 004	4		
691 340 400 005	5		
691 340 400 006	6		
691 340 400 008	8		

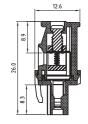


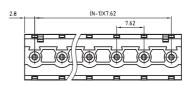


Serie 3524 - 7.62mm Horizontal Cable Entry Plug with Hook on Wire Side - 3.0mm² Wires WR-TBL









N=Number of contacts



MATERIAL • Insulator material:

· Flammability rating: • Colour: • Metal housing: • Terminal screw:

• Wire guard:

ENVIRONMENTAL

• Operating temperature:

• Compliance:

· Safety approval:

PA 66 UL94-V0

Green Brass (CuZn)

Steel Zinc plating "-" slot type PhBz Tin plated

> -40 °C up to 105 °C Lead free & RoHS

See table

ELECTRICAL

• Current rating: · Working voltage:

• Withstanding voltage: • Contact resistance:

15A 300Vac 1.6kV 20 mOhm max

cULus

MECHANICAL

• Solid wire: 24 - 12AWG / 0.2 -3.0mm² • Stranded wire: 24 - 12AWG / 0.2 -3.0mm² • Torque: 4.3Lb-In / 0.49Nm

• Wire strip length 6 - 7mm • Screw: • Pitch: 7.62mm

PACKAGING

Box

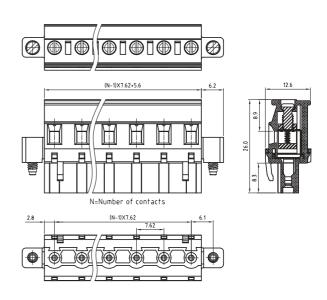
Order Code	Pins	AWG	Approval Certification
691 352 410 002	2		
691 352 410 003	3		
691 352 410 004	4	See Mechanical characteristics	
691 352 410 005	5	Gee Wechanical Characteristics	c . L us
691 352 410 006	6		
691 352 410 008	8		





Serie 3434 - 7.62mm Horiz. Cable Entry Plug with Flanges & Hook on Wire Side - 3.0mm² Wires WR-TBL







MATERIAL

Insulator material:
Flammability rating:
Colour:
Metal housing:
Terminal screw:
Wire guard:
Flange screw:
PA 66
UL94-V0
Green
Brass (CuZn)
Steel Zinc plating "-" slot type
Wire guard:
PhBz Tin plated
Flange screw:
Steel M2.5

ENVIRONMENTAL

Operating temperature: -40 °C up to 105 °C
 Compliance: Lead free & RoHS
 Safety approval: See table

ELECTRICALCurrent rating:

Current rating: 15A
Working voltage: 300Vac
Withstanding voltage: 1.6kV
Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 24 - 12AWG / 0.2 -3.0mm²
 Stranded wire: 24 - 12AWG / 0.2 -3.0mm²
 Torque: 4.3Lb-ln / 0.49Nm

cULus

Wire strip length
 Screw:
 Pitch:
 6 - 7mm
 M3
 7.62mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 16, can be delivered but they are not kept in stock and are subject to MOQ

14

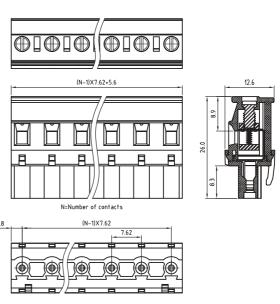
Order Code	Pins	AWG	Approval Certification
691 343 410 002	2		
691 343 410 003	3		
691 343 410 004	4	See Mechanical characteristics	
691 343 410 005	5		o Tal us
691 343 410 006	6		
691 343 410 008	8		





Serie 3444 - 7.62mm Horizontal Cable Entry Plug with Hook on Back Side - 3.0mm² Wires WR-TBL







MATERIAL

• Insulator material: · Flammability rating: • Colour:

• Metal housing: Brass (CuZn) Steel Zinc plating "-" slot type • Terminal screw: PhBz Tin plated • Wire guard:

ENVIRONMENTAL

• Operating temperature: • Compliance:

· Safety approval:

-40 °C up to 105 °C Lead free & RoHS See table

PA 66

Green

UL94-V0

ELECTRICAL

• Current rating: · Working voltage: • Withstanding voltage: • Contact resistance:

MECHANICAL

• Solid wire: • Stranded wire: • Torque:

• Wire strip length • Screw: • Pitch:

cULus 15A 300Vac 1.6kV 20 mOhm max

24 - 12AWG / 0.2 -3.0mm²

24 - 12AWG / 0.2 -3.0mm² 4.3Lb-In / 0.49Nm

6 - 7mm 7.62mm

PACKAGING

Box

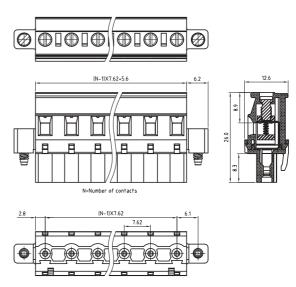
Order Code	Pins	AWG	Approval Certification
691 344 410 002	2		
691 344 410 003	3	See Mechanical characteristics	c al us
691 344 410 004	4		
691 344 410 005	5		
691 344 410 006	6		
691 344 410 008	8		





Serie 3454 - 7.62mm Horiz. Cable Entry Plug with Flanges & Hook on Back Side - 3.0mm² Wires WR-TBL







MATERIAL

• Insulator material: · Flammability rating: • Colour: • Metal housing:

Steel Zinc plating "-" slot type • Terminal screw: • Wire guard: • Flange screw: Steel M2.5

ENVIRONMENTAL

• Operating temperature: • Compliance:

• Safety approval:

PA 66 UL94-V0

Green Brass (CuZn)

PhBz Tin plated

-40 °C up to 105 °C Lead free & RoHS See table **ELECTRICAL**

• Current rating: · Working voltage: • Withstanding voltage:

• Contact resistance:

MECHANICAL

• Solid wire: • Stranded wire: • Torque:

• Wire strip length • Screw: • Pitch:

cULus 15A 300Vac 1.6kV 20 mOhm max

24 - 12AWG / 0.2 -3.0mm²

24 - 12AWG / 0.2 -3.0mm² 4.3Lb-In / 0.49Nm

> 6 - 7mm 7.62mm

PACKAGING

Box

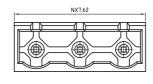
Order Code	Pins	AWG	Approval Certification
691 345 410 002	2		
691 345 410 003	3		
691 345 410 004	4	See Mechanical characteristics	₹ ¶us
691 345 410 005	5		
691 345 410 006	6		
691 345 410 008	8		

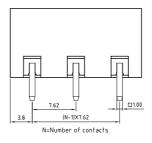


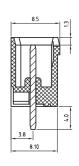


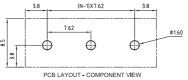
Serie 3114 - 7.62mm Close Vertical PCB Header **WR-TBL**











cULus



MATERIAL

PBT Insulator material: · Flammability rating: UL94-V0 • Colour: Green • Contact PIN: Brass (CuZn) • Surface of solder tail plating:

ENVIRONMENTAL

• Operating temperature: –40 °C up to 105 °C • Compliance: Lead free & RoHS • Safety approval: See table

SOLDERING

JEDEC lead free wave soldering • Solder temperature:

ELECTRICAL • Current rating:

20A 300Vac • Working voltage: • Withstanding voltage: 1.6kV • Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 7.62mm

PACKAGING

Box

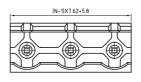
Order Code	Pins	AWG	Approval Certification
691 311 400 102	2		
691 311 400 103	3		
691 311 400 104	4	See Mechanical characteristics	
691 311 400 105	5		of lus
691 311 400 106	6		
691 311 400 108	8		

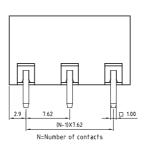


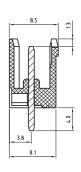


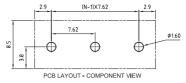
Serie 3114 - 7.62mm Open Vertical PCB Header **WR-TBL**













MATERIAL

PBT Insulator material: · Flammability rating: UL94-V0 • Colour: Green • Contact PIN: Brass (CuZn) • Surface of solder tail plating:

ENVIRONMENTAL

• Operating temperature: –40 °C up to 105 °C • Compliance: Lead free & RoHS • Safety approval: See table

• Solder temperature: JEDEC lead free wave soldering **ELECTRICAL**

cULus 20A • Current rating: • Working voltage: 300Vac • Withstanding voltage: 1.6kV • Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 7.62mm

PACKAGING

Box

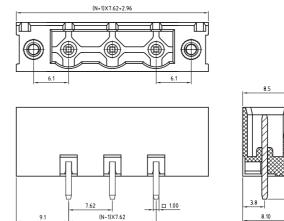
Order Code	Pins	AWG	Approval Certification
691 311 400 002	2		
691 311 400 003	3		
691 311 400 004	4	See Mechanical characteristics	c SA us
691 311 400 005	5	Gee Mechanical Characteristics	C amous
691 311 400 006	6		
691 311 400 008	8		

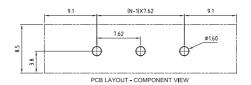




Serie 3184 - 7.62mm Close Vertical PCB Header with Flanges WR-TBL









MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Contact PIN:
 Surface of solder tail plating:
 Flange screw nut:

 PBT

 UL94-V0

 Bress (CuZn)
 Tin
 Flange screw nut:
 Brass M2.5

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus

• Current rating: 20A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV

N=Number of contacts

Withstanding voltage: 1.6kVContact resistance: 20 mOhm max

MECHANICAL

• Pitch: 7.62mm

PACKAGING

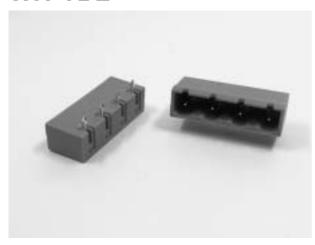
• Box

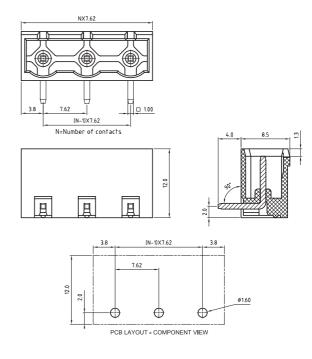
Order Code	Pins	AWG	Approval Certification
691 318 400 002	2		
691 318 400 003	3		
691 318 400 004	4	See Mechanical characteristics	c Al us
691 318 400 005	5	Gee Wechanical Characteristics	c ra us
691 318 400 006	6		
691 318 400 008	8		





Serie 3134 - 7.62mm Close Horizonal PCB Header WR-TBL







MATERIAL

Insulator material: PBT
 Flammability rating: UL94-V0
 Colour: Green
 Contact PIN: Brass (CuZn)
 Surface of solder tail plating: Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL CULus

• Current rating: 20A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV

• Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 7.62mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 16, can be delivered but they are not kept in stock and are subject to MOQ

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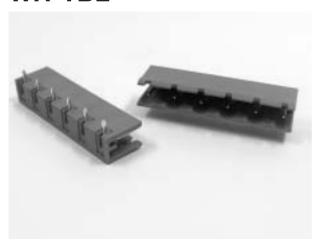
Order Code	Pins	AWG	Approval Certification
691 313 410 002	2		
691 313 410 003	3		
691 313 410 004	4	See Mechanical characteristics	c Al us
691 313 410 005	5	Gee Wechanical Characteristics	c TS us
691 313 410 006	6		
691 313 410 008	8		

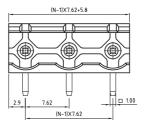
14-80 09/08

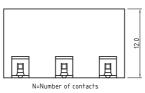


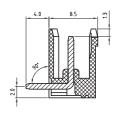


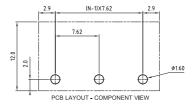
Serie 3124 - 7.62mm Open Horizonal PCB Header WR-TBL











cULus

20A



MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Contact PIN:
 Surface of solder tail plating:

 PBT

 UL94-V0

 Green
 Brass (CuZn)
 Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICALCurrent rating:Working voltage:

Working voltage: 300Vac
 Withstanding voltage: 1.6kV
 Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 7.62mm

PACKAGING

Box

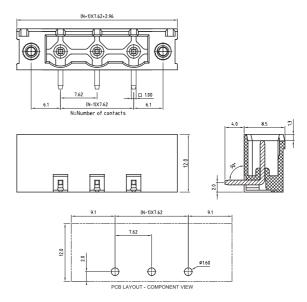
Order Code	Pins	AWG	Approval Certification
691 312 410 002	2		
691 312 410 003	3	See Mechanical characteristics	c FL us
691 312 410 004	4		
691 312 410 005	5		
691 312 410 006	6		
691 312 410 008	8		





Serie 3174 - 7.62mm Close Horizonal PCB Header with Flanges WR-TBL







MATERIAL

PBT Insulator material: · Flammability rating: UL94-V0 Green • Colour: • Contact PIN: Brass (CuZn)

• Surface of solder tail plating: Tin Brass M2.5 • Flange screw nut:

ENVIRONMENTAL

• Operating temperature: -40 °C up to 105 °C Lead free & RoHS • Compliance: · Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering **ELECTRICAL**

cULus 20A • Current rating: • Working voltage: 300Vac • Withstanding voltage: 1.6kV • Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 7.62mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 16, can be delivered but they are not kept in stock and are subject to MOQ

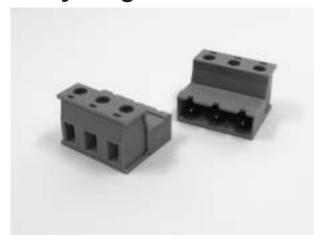
Order Code	Pins	AWG	Approval Certification
691 317 410 002	2		
691 317 410 003	3		c Al us
691 317 410 004	4	See Mechanical characteristics	
691 317 410 005	5		
691 317 410 006	6		
691 317 410 008	8		

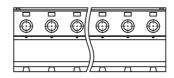
14-82 09/08

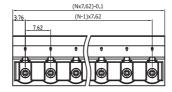


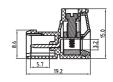


Serie 3484 - 7.62mm Reversed Gender Vertical Cable Entry Plug - 3.0mm² Wires WR-TBL











MATERIAL • Insulator material:

Flammability rating:
 Colour:
 Metal housing:
 Terminal screw:
 Wire guard:
 UL94-V0
 Breen
 Brass (CuZn)
 Steel Zinc plating "-" slot type
 PhBz Tin plated

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

ELECTRICAL CULus

• Current rating: 10A

• Working voltage: 300Vac

• Withstanding voltage: 1.6kV

• Contact resistance: 20 mOhm max

MECHANICAL

PA 66

Solid wire: 24 - 12AWG / 0.2 -3.0mm²
 Stranded wire: 24 - 12AWG / 0.2 -3.0mm²
 Torque: 5.0Lb-In / 0.5Nm

Wire strip length 7 - 8mm
 Screw: M3
 Pitch: 7.62mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 16, can be delivered but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 348 400 002	2		
691 348 400 003	3		
691 348 400 004	4	See Mechanical characteristics	Under Processing
691 348 400 005	5		
691 348 400 006	6		
691 348 400 008	8		

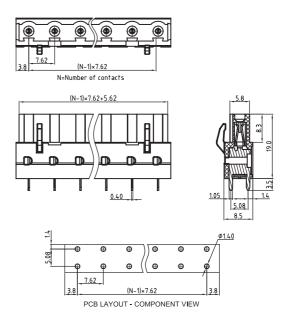
09/08 14-83





Serie 3074 - 7.62mm Reversed Gender Vertical PCB **Header WR-TBL**







MATERIAL

PA 66 Insulator material: · Flammability rating: UL94-V0 • Colour: Green • Contact PIN: Brass (CuZn) • Surface of solder tail plating:

ENVIRONMENTAL

• Operating temperature: -40 °C up to 105 °C • Compliance: Lead free & RoHS • Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus 10A • Current rating: · Working voltage: 300Vac • Withstanding voltage: 1.6kV • Contact resistance: 20 mOhm max

• Pitch: 7.62mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 16, can be delivered but they are not kept in stock and are subject to MOQ

4	

Order Code	Pins	AWG	Approval Certification
691 307 400 002	2		
691 307 400 003	3		
691 307 400 004	4	See Mechanical characteristics	Under Processing
691 307 400 005	5	Gee Wednamear characteristics	Onder Frocessing
691 307 400 006	6		
691 307 400 008	8		

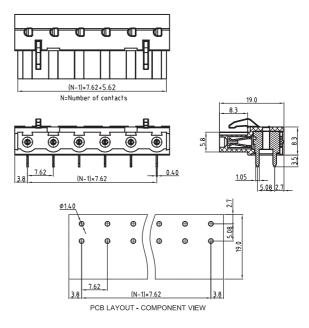
14-84 09/08





Serie 3094 - 7.62mm Reversed Gender Horizontal **PCB Header WR-TBL**







MATERIAL

PA 66 Insulator material: · Flammability rating: UL94-V0 • Colour: Green • Contact PIN: Brass (CuZn) • Surface of solder tail plating: Tin

ENVIRONMENTAL

• Operating temperature: –40 °C up to 105 °C • Compliance: Lead free & RoHS • Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering **ELECTRICAL**

cULus 10A • Current rating: · Working voltage: 300Vac • Withstanding voltage: 1.6kV • Contact resistance: 20 mOhm max

MECHANICAL

• Pitch: 7.62mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 16, can be delivered but they are not kept in stock and are subject to MOQ

Order Code	Pins	AWG	Approval Certification
691 309 410 002	2		
691 309 410 003	3		
691 309 410 004	4	See Mechanical characteristics	Under Processing
691 309 410 005	5	Gee Wechanical Characteristics	Officer Frocessing
691 309 410 006	6		
691 309 410 008	8		

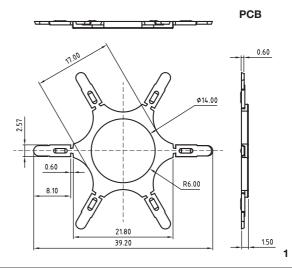
14-85 09/08

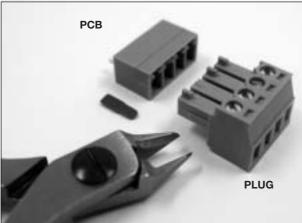


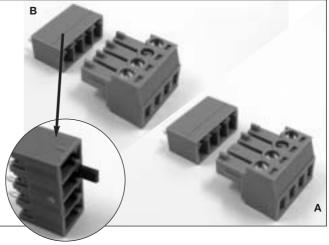


Coding Key For 3.5 and 3.81mm Pitch Series **WR-TBL**











MATERIAL

• Insulator material: • Flammability rating:

• Colour:

MECHANICAL

• Applicable pitch: 3.50/3.81mm

ENVIRONMENTAL

• Operating temperature:

-40°C up to 105°C Lead free & RoHS • Compliance:

PACKAGING

• Box

By using a conding key you avoid any risk of mis-pluging

For this you must add/break one part of the 691 399 900 003 in the PCB connector.

To cut the plug's nose on the corresponding pin n° makes the connection possible (see photo A)

Without cutting the plug's nose on the corresponding pin° the connection becomes impossible (see photo B)

Order Code	Figure	To be used with following TBL	
691 399 900 003	1	691 3xx 1(3,5mm pitch) / 691 3xx 3 (3,81mm pitch) on the PCB side	
600 691 000 001	2	Cutting plier	

PA 66

Red

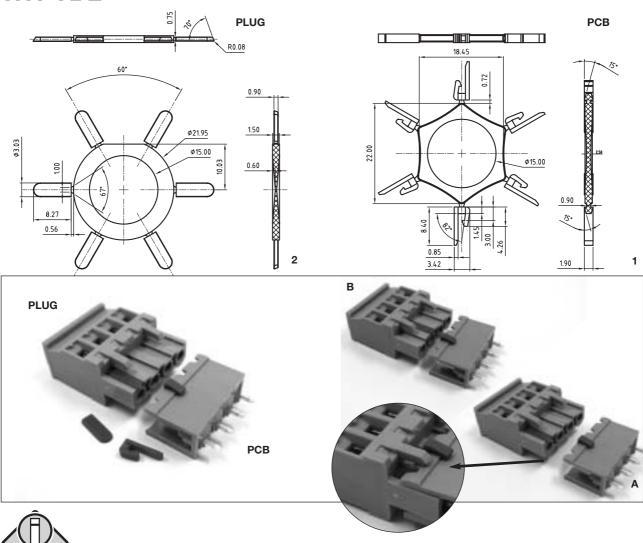
UL94-V0

14-86 09/08





Coding Key For 5.0 / 5.08 and 7.62mm Pitch Series **WR-TBL**



MATERIAL

• Insulator material: PA 66 • Flammability rating: UL94-V0

• Colour:

MECHANICAL

• Pitch: 5.0/5.08/7.62mm

ENVIRONMENTAL

• Operating temperature:

• Compliance:

-40°C up to 105°C Lead free & RoHS

Red

By using a conding key you avoid any risk of mis-pluging

For this you must add/break one part of the:

- 691 399 900 002 in the PCB connector
- 691 399 900 001 in the plug

If keys are on different pin n° (on the plug and PCB connector) mating remains possible (see photo A)

If keys are on the same pin ° (on the plug and PCB connector) mating becomes not possible anymore (see photo B)

PACKAGING

• Box

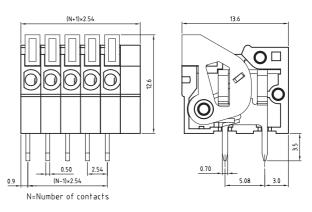
Order Code	Figure	To be used
691 399 900 002	1	691 3xx 7 (5,0mm pitch) / 691 3xx 5 (5,08mm pitch) / 691 3xx 4 (7,62mm pitch) on the PCB side
691 399 900 001	2	691 3xx 7 (5,0mm pitch) / 691 3xx 5 (5,08mm pitch) / 691 3xx 4 (7,62mm pitch) on the plug

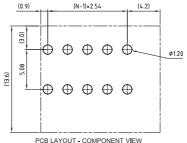




Serie 4029 - 2.54mm Screwless Horizontal Entry -0.5mm² Wires WR-TBL









MATERIAL

• Insulator material: PBT • Flammability rating: UL94-V0 • Colour: Green/Orange • Wire guard: Stainless steel • Contact pin: Brass • Surface of solder tail plating: Tin

ENVIRONMENTAL

• Operating temperature: -40 °C up to 105 °C • Compliance: Lead free & RoHS • Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering **ELECTRICAL**

cULus · Current rating: 2A • Working voltage: 150Vac 1.3kV • Withstanding voltage: Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 26 - 20AWG / 0.13 - 0.52mm² 26 - 20AWG / 0.13 - 0.52mm² • Stranded wire:

• Wire strip length 9 - 10mm • Pitch: 2.54mm

PACKAGING

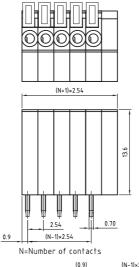
Order Code	Pins	AWG	Approval Certification
691 402 910 002	2		
691 402 910 003	3		
691 402 910 004	4	See Mechanical characteristics	
691 402 910 005	5	Gee Wechanical Characteristics	us .
691 402 910 006	6		
691 402 910 008	8		



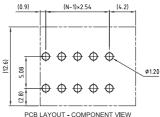


Serie 4039 - 2.54mm Screwless Vertical Entry 0.5mm² Wires WR-TBL











MATERIAL

PBT • Insulator material: • Flammability rating: UL94-V0 Green/Orange • Colour: • Wire guard: Stainless steel • Metal housing: Brass

ENVIRONMENTAL

• Surface of solder tail plating:

• Operating temperature: -40 °C up to 105 °C Lead free & RoHS • Compliance: See table · Safety approval:

SOLDERING

• Solder temperature: JEDEC lead free wave soldering **ELECTRICAL**

cULus • Current rating: 2A · Working voltage: 150Vac • Withstanding voltage: 1.3kV • Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 26 - 20AWG / 0.13 - 0.52mm² 26 - 20AWG / 0.13 - 0.52mm² • Stranded wire:

• Wire strip length 9 - 10mm • Pitch: 2.54mm

PACKAGING

Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

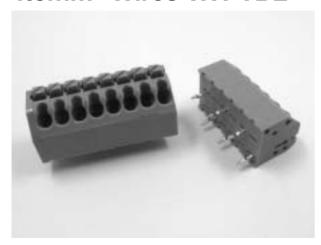
Order Code	Pins	AWG	Approval Certification
691 403 900 002	2		
691 403 900 003	3		
691 403 900 004	4	See Mechanical characteristics	c. Aus
691 403 900 005	5	Gee Wednamoar dharacteristics	C attacks
691 403 900 006	6		
691 403 900 008	8		

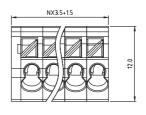
Tin

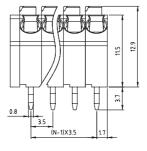


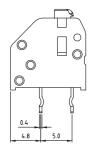


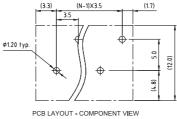
Serie 412 - 3.5mm Screwless 45° Entry Grey -1.5mm² Wires WR-TBL













MATERIAL

PA 66 • Insulator material: • Flammability rating: UL94-V0 Grey • Colour: • Metal housing: PhBz • Surface of solder tail plating: Tin

ENVIRONMENTAL

 $-40~^{\circ}\text{C}$ up to 105 $^{\circ}\text{C}$ • Operating temperature: • Compliance: Lead free & RoHS See table • Safety approval:

SOLDERING

JEDEC lead free wave soldering • Solder temperature:

ELECTRICAL

cULus VDE • Current rating: 6A 6A · Working voltage: 300Vac 130Vac 1.6kV 1.25kV • Withstanding voltage: • Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 20 - 16AWG / 0.5 - 1.50mm² 20 - 16AWG / 0.5 - 1.50mm² • Stranded wire:

• Wire strip length 6 - 7mm • Pitch: 3.5mm

PACKAGING

Box

xx = 02 to 24pin

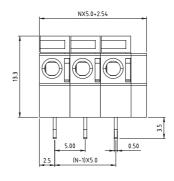
Order Code	Pins	AWG	Approval Certification
691 412 120 0 xx	2 to 24	See Mechanical characteristics	c Al us 🚾

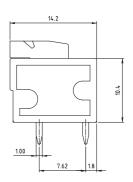


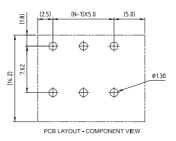


Serie 401 - 5.00mm Screwless Horizontal Entry 2.0mm² Wires WR-TBL











MATERIAL

• Insulator material: • Flammability rating:

PBT UL94-V0 Green/Orange • Colour: • Metal housing: Brass (CuZn) • Wire guard: Stainless steel • Surface of solder tail plating:

ENVIRONMENTAL

• Operating temperature: -40 °C up to 105 °C Lead free & RoHS • Compliance: · Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering ELECTRICAL

• Current rating: · Working voltage:

• Withstanding voltage: • Contact resistance:

cULus VDE 10A 10A 300Vac 250Vac 1.6kV 2.0kV 20 mOhm max

MECHANICAL

• Solid wire: 24 - 14AWG / 0.20 - 2.0mm² 24 - 14AWG / 0.20 - 2.0mm² • Stranded wire:

6 - 7mm • Wire strip length • Pitch: 5.0mm

PACKAGING

Box

xx = 02 to 24pin

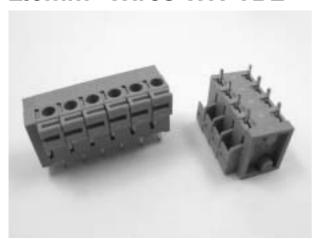
Order Code	Pins	AWG	Approval Certification
691 401 710 0 xx	2 to 24	See Mechanical characteristics	o M us one

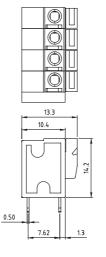
14-91 09/08

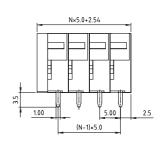


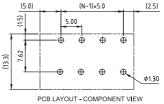


Serie 401 - 5.00mm Screwless Vertical Entry -2.0mm² Wires WR-TBL











MATERIAL

• Insulator material: PBT • Flammability rating: UL94-V0 Green/Orange • Colour: • Metal housing: Brass (CuZn) • Wire guard: Stainless steel

ENVIRONMENTAL

• Surface of solder tail plating:

• Operating temperature: -40 °C up to 105 °C Lead free & RoHS • Compliance: · Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL

cULus VDE 10A • Current rating: 10A · Working voltage: 300Vac 250Vac 2.0kV • Withstanding voltage: 1.6kV • Contact resistance: 20 mOhm max

MECHANICAL

• Solid wire: 24 - 14 / 0.20 - 2.0mm² 24 - 14 / 0.20 - 2.0mm² • Stranded wire:

• Wire strip length 6 - 7mm • Pitch: 5.0mm

PACKAGING

Box

xx = 02 to 24pin

Order Code AWG **Approval Certification** Pins 691 401 700 0 xx See Mechanical characteristics 2 to 24 c us **∠VDE**

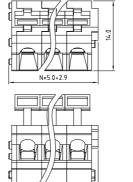
14-92 09/08

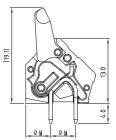




Serie 4147 - 5.00mm Screwless 45° Entry - 3.0mm² Wires WR-TBL



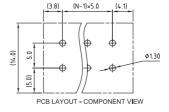




N=Number of contacts

5.00

□ 0.70





MATERIAL

Insulator material:

 Flammability rating:
 Colour:
 Wire guard:

 Wire guard:

 Metal housing:
 Surface of solder tail plating:
 Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL cULus
• Current rating: 15A
• Working voltage: 300Vac

Withstanding voltage: 1.3kVContact resistance: 20 mOhm max

MECHANICAL

Solid wire: 28 - 12AWG / 0.08 - 3.0mm²
 Stranded wire: 28 - 12AWG / 0.08 - 3.0mm²

Wire strip lengthPitch:6 - 7mm5.00mm

PACKAGING

• Box

Note: Other pin number, 07 and 09 to 24, can be delivered but they are not kept in stock and are subject to MOQ

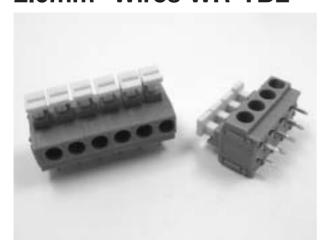
Order Code	Pins	AWG	Approval Certification
691 414 720 002	2		
691 414 720 003	3		
691 414 720 004	4	See Mechanical characteristics	Under Processing
691 414 720 005	5	Gee Wechanical Characteristics	Officer Frocessing
691 414 720 006	6		
691 414 720 008	8		

09/08 14-93

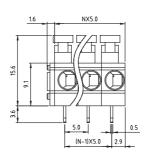


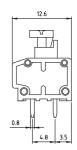


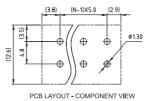
Serie 411 - 5.00mm Screwless Horizontal Entry -2.0mm² Wires WR-TBL













MATERIAL

PA 66 • Insulator material: • Flammability rating: UL94-V0 Grey/White • Colour: • Metal housing: Brass (CuZn) • Wire guard: Stainless steel • Surface of solder tail plating:

ENVIRONMENTAL

• Operating temperature: -40 °C up to 105 °C Lead free & RoHS • Compliance: · Safety approval: See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL

cULus VDE • Current rating: 10A 6A · Working voltage: 300Vac 450Vac • Withstanding voltage: 1.6kV 2.5kV • Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 14 - 20AWG / 0.5 - 2.0mm² 14 - 20AWG / 0.5 - 2.0mm² • Stranded wire:

• Wire strip length 6 - 7mm • Pitch: 5.0mm

PACKAGING

Box

xx = 02 to 24pin

Order Code	Pins	AWG	Approval Certification
691 411 710 0 xx	2 to 24	See Mechanical characteristics	c Al us (ne

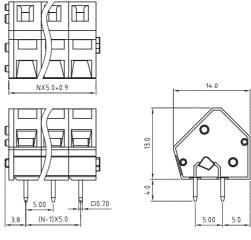
14-94 09/08

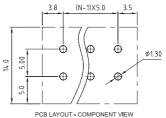




Serie 4137- 5.00mm Screwless 45° Entry - 3.0mm² Wires WR-TBL









MATERIAL

Insulator material:
 Flammability rating:
 Colour:
 Wire guard:
 Metal housing:
 Surface of solder tail plating:
 PA 66
 UL94-V0
 Grey
 Stainless steel
 Brass
 Tin

ENVIRONMENTAL

Operating temperature:
 Compliance:
 Safety approval:
 -40 °C up to 105 °C
 Lead free & RoHS
 See table

SOLDERING

• Solder temperature: JEDEC lead free wave soldering

ELECTRICAL

Current rating: 15A
Working voltage: 300Vac
Withstanding voltage: 1.6kV
Contact resistance: 20 mOhm max

MECHANICAL

Solid wire: 28 - 12AWG / 0.08 - 3.0mm²
 Stranded wire: 28 - 12AWG / 0.08 - 3.0mm²

Wire strip lengthPitch:6 - 7mm5.00mm

PACKAGING

• Box

 $\mathbf{xx} = 02 \text{ to } 24 \text{pin}$

Order Code Pins AWG Approval Certification

691 413 720 0 xx 2 to 24 See Mechanical characteristics Under Processing





Design Kit WR-TBL







Order Code 691 001
Design Kit WR-TBL
All the parts of the assortment are detailled below

P/N in the Kit	Pins	Pitch	Description
691 101 710 0xx	2 & 3	5.0mm	Horizontal Entry With Pressure Clamp - 2.5mm ² Wires
691 102 710 0xx	2 & 3	5.0mm	Horizontal Entry With Pressure Clamp - 1.5mm² Wires
691 111 710 0xx	2 & 3	5.0mm	Horizontal Entry With Pressure Clamp - 2.5mm² Wires
691 121 710 0xx	4 & 6	5.0mm	Horizontal Entry With Pressure Clamp - 4.0mm² Wires
691 201 720 0xx	2 & 3	5.0mm	45° Entry With Rising Cage Clamp - 2.5mm² Wires
691 211 720 0xx	2 & 3	5.0mm	45° Entry With Rising Cage Clamp 15.5mm Height - 2.5mm² Wires
691 212 710 0xx	2 & 3	5.0mm	45° Entry With Rising Cage Clamp 14.3mm Height - 2.5mm² Wires
691 213 710 0xx	2 & 3	5.0mm	Horizontal Entry With Rising Cage Clamp 10.0mm Height - 1.5mm ² Wires
691 301 710 0xx	2 & 3	5.0mm	Plug Horizontal Entry With Pressure Clamp - 1.5mm² Wires
691 300 700 024	24	5.0mm	Pin Header
691 351 500 0xx	2-3-4-5-6-8	5.08mm	Plug Vertical Cable Entry With Screw - 2.5mm² Wires
691 353 500 0xx	2-3-4-5-6-8	5.08mm	Plug Vertical Cable Entry With Screwless - 2.5mm ² Wires
691 352 510 0xx	2-3-4-5-6-8	5.08mm	Plug Horisontal Front Cable Entry With Screw - 2.5mm² Wires
691 311 500 0xx	2-3-4-5-6-8	5.08mm	PCB Header Vertical Opened Ends
691 312 510 0xx	2-3-4-5-6-8	5.08mm	PCB Header Horizontal Opened Ends
691 313 510 0xx	2-3-4-5-6-8	5.08mm	PCB Header Horizontal Closed Ends
691 361 300 0xx	2-3-4-5-6-8	3.81mm	Plug Vertical Cable Entry With Screw - 1.5mm² Wires
691 321 300 0xx	2-3-4-5-6-8	3.81mm	PCB Header Vertical Closed Ends
691 322 310 0xx	2-3-4-5-6-8	3.81mm	PCB Header Horisontal Closed Ends
691 401 710 0xx	4-6-8	5.00mm	Spring Clamp Screwless Horizontal Entry - 1.5mm² Wires
691 401 700 0xx	4-6-8	5.00mm	Spring Clamp Screwless Vertical Entry - 1.5mm² Wires
691 411 710 0xx	4-6-8	5.00mm	Spring Clamp Screwless Horizontal Entry - 2.0mm ² Wires
691 412 120 0xx	4-6-8	5.00mm	Spring Clamp Screwless 45° Entry - 0.75mm² Wires

14

14-96 09/08