

SUPERSEAL Connector

Housings: 1.0 mm

SUPERSEAL 1.0mm

[View on TE.com >](#)



Superseal 1.0 housings are available in various locking latch options and keying configurations.



Connectors > Automotive Connectors > Automotive Housings

SUPERSEAL 1.0 plug housings accept 1.0 mm receptacle contacts, carrying up to 15 amps. They are available in 26, 34, and 60-way arrangements and have an integrated latch for mating.



Connector System: Wire-to-Board, Wire-to-Device

Connector & Housing Type: Housing for Female Terminals

Centerline (Pitch): 3 mm

Sealable: Yes

Mating Pin Diameter: 1 mm

Rectangular Connector Housing

SUPERSEAL 1.0

The SUPERSEAL 1.0 connector system offers rectangular housings made of UL 94-V0 rated thermoplastic.

This system is designed for electrical wire-to-Board (1.0 mm) and ECU applications, under the engine hood or any location where sealing is required.

Designed for ease of manual harness assembly, engine mounting and under hood environments

Series Overview

- Accepts contact size 1.0 mm (up to 15 amps)
- 1.25-0.50 mm²
- 26, 34, and 60 cavity arrangements
- PCB mount
- Rectangular, thermoplastic housing
- Integrated latch for mating
- TPA confirms contact alignment and retention

SUPERSEAL 1.0 Range

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Board, Wire-to-Device
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing

Configuration Features

Number of Positions	26, 34
Number of Rows	4

Electrical Characteristics

Operating Voltage (VDC)	250
Operating Voltage (VAC)	250
Nominal Voltage Architecture (V)	12, 24, 42, 48, 80, 90, 125, 240

Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	1, 2, 3, 4

Contact Features

Contact Size	1mm
Contact Type	Socket
Mating Pin Diameter (mm)	1
Mating Pin Diameter (in)	.039

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Keyed

Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF
Centerline (Pitch) (mm)	3
Centerline (Pitch) (in)	.118

Dimensions

Connector Height (mm)	34.55, 38
Connector Height (in)	1.36, 1.496
Product Width (mm)	32.2, 38.2
Product Width (in)	1.268, 1.504
Product Length (mm)	32.15
Product Length (in)	1.266
Row-to-Row Spacing (mm)	2.54, 3, 3.5, 4, 4.24, 6.9
Row-to-Row Spacing (in)	.1, .118, .138, .157, .167, .272

Usage Conditions

Operating Temperature (Max) (°C)	70, 75, 80, 85, 90, 100, 105, 110, 120, 125
Operating Temperature (Max) (°F)	158, 167, 176, 185, 194, 212, 221, 230, 248, 257
Operating Temperature Range (°C)	-40 - 125
Operating Temperature Range (°F)	-40 - 257

Industry Standards

Degree of Protection	JIS D0203
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	20, 500
Packaging Method	Box, Tube

Other

Serviceable	Yes
Connector Position Assurance Capable	No

Reference Number

TE Internal Number	CAT-SU763-CH8172
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SEE PRODUCTS ON NEXT PAGE



Products (1 of 3)



	34POS, SUPERSEAL, REC HSG ASSY, SLD, COD 2	26POS, SUPERSEAL, REC HSG ASSY, SLD, COD 1	SUPER SEAL 26POS PLUG ASSY	34POS, SUPERSEAL, REC HSG ASSY, SLD, COD 1
TE Part #	3-1437290-9	3-1437290-7	1473416-1	4-1437290-0
Number of Positions	34	26	26	34
Connector & Keying Code	2	1	3	1
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	AMP	AMP	AMP	AMP
Series	SUPERSEAL 1.0mm	SUPERSEAL 1.0mm	SUPERSEAL 1.0mm	SUPERSEAL 1.0mm

***EU RoHS Directive 2011/65/EU**

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

****EU ELV Directive 2000/53/EC**

These products comply with the substance restrictions of the End of Life Vehicles Directive 2000/53/EC (ELV). The ELV Directive requires that materials and components of vehicles do not contain mercury, cadmium, hexavalent chromium, and lead above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds.

Products (2 of 3)

**SUPER SEAL 26POS PLUG
ASSY****26POS, SUPERSEAL, REC
HSG ASSY, SLD, COD 2****26POS, SUPERSEAL, REC
HSG ASSY, SLD, COD 2****34POS, SUPERSEAL, REC
HSG ASSY, SLD, COD 2**

TE Part #	1473416-2	1-1447232-7	3-1437290-8	4-1437290-1
Number of Positions	26	26	26	34
Connector & Keying Code	4	2	2	2
EU RoHS Directive 2011/65/EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	AMP	AMP	AMP	AMP
Series	SUPERSEAL 1.0mm	SUPERSEAL 1.0mm	SUPERSEAL 1.0mm	SUPERSEAL 1.0mm

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Products (3 of 3)



34POS,SUPERSEAL,REC HSG ASSY,SLD,
COD 1

26POS,SUPERSEAL,REC HSG ASSY,SLD,
COD 1

TE Part #	2-1437285-3	2-1437285-2
Number of Positions	34	26
Connector & Keying Code	1	1
EU RoHS Directive 2011/65/EU	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant
Product Families	AMP	AMP
Series	SUPERSEAL 1.0mm	SUPERSEAL 1.0mm

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Also in the Series **SUPERSEAL 1.0mm**



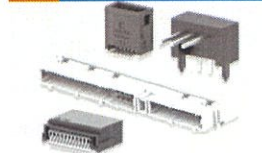
Automotive Housings(12)



Automotive Terminals(6)



Connector Seals & Cavity Plugs(1)



PCB Headers & Receptacles(30)

Pin Headers

Technical Features

Contact Material:

Brass

Contact Finish:

Gold over Ni (mating part)

Tin-lead over Ni (soldering part)

Housing Material:

PBT/PET

Temperature Range:

-40 °C up to +125 °C

Current Carrying Capacity:

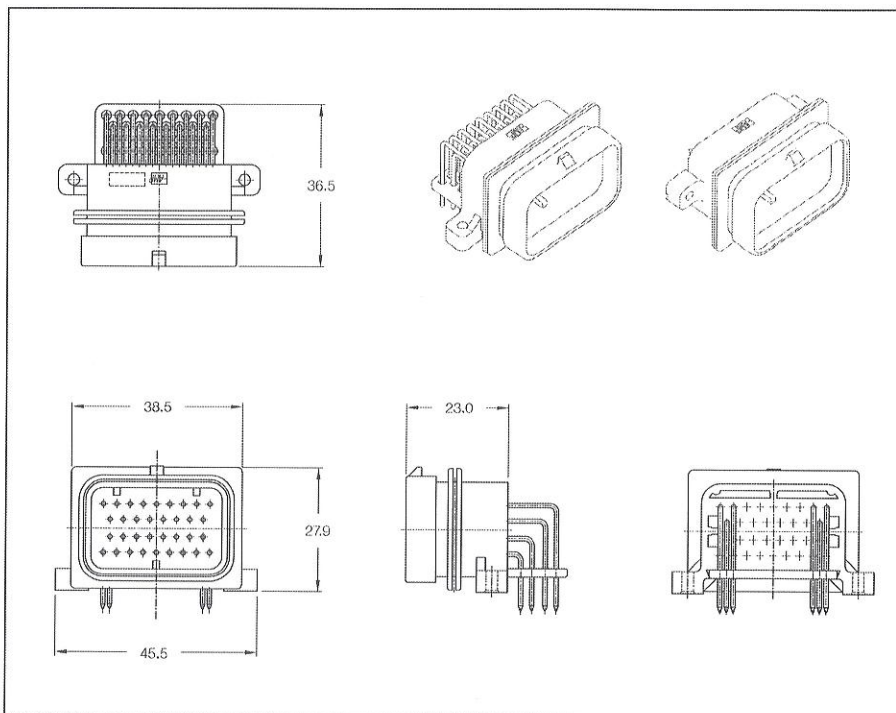
See Product Specification

Product Specification:

108-78140

Application Specification:

114-78011



Pin Header Assembly

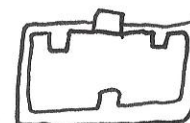
No. of Positions	Part Number Tin Plating*	Keying Type	Locking	Part Number Mateable Plug Housing	
26	9-6437287-8	1 (4 Row)	Upper	3-1437290-7	
	9-6437287-9	2 (4 Row)	Upper	3-1437290-8	
	6473423-1	3 (4 Row)	Upper	1473416-1	
	6473423-2	4 (4 Row)	Upper	1473416-2	
	5-6447223-0	1 (4 Row)	Lower	3-1437290-7	
	6437288-4	2 (4 Row)	Lower	3-1437290-8	
	2-6437285-8	1 (4 Row)	Double	2-1437285-2	
	2-6437285-9	2 (4 Row)	Double	1-1447232-7	
	6437288-6	1 (4 Row, Vertical)	Upper	3-1437290-7	
	6473418-1	2 (4 Row, Vertical)	Upper	3-1437290-8	
	6473418-2	3 (4 Row, Vertical)	Upper	1473416-1	
	6473711-1	1 (2 Row)	Upper		
	6473711-2	1 (2 Row)	Lower	1473712-1	1473712-2
	6437288-1	1 (4 Row)	Upper	4-1437290-0	
34	6437288-2	2 (4 Row)	Upper	4-1437290-1	
	2-6437285-5	1 (4 Row)	Lower	4-1437290-0	
	2-6437285-6	2 (4 Row)	Lower	4-1437290-1	
	3-6437285-0	1 (4 Row)	Double	2-1437285-3	
	3-6437285-1	2 (4 Row)	Double	3-1437290-9	
	2-6447232-3	1 (4 Row, Vertical)	Upper	4-1437290-0	
	2-6447232-4	2 (4 Row, Vertical)	Upper	4-1437290-1	
	6437288-3	1 (4 Row)	Upper	4-1437290-0 (34P),	3-1437290-7 (26P)
60	6473427-1	2 + 3 (4 Row)	Upper	4-1437290-1 (34P),	1473416-1 (26P)
	6437288-5	1 (4 Row)	Lower	4-1437290-0 (34P),	3-1437290-7 (26P)
	3-6437285-2	1 (4 Row)	Double	2-1437285-3 (34P),	2-1437285-2 (26P)

*) These are alternative products for tin-lead plating products.

Tin-lead plating product has been stopped to sell due to supporting lead-free policies.

Keying

1



Receptacle Contacts and Cavity Plug

Technical Features

Wire Size Range:

0.5 up to 1.25 mm²

Insulation Diameter:

1.6–2.2 mm

(Larger allowed on limited basis,
contact Product Engineering)

Contact Material:

Copper Alloy

Contact Finish:

Gold over Nickel (contact part)

Tin over Nickel (crimp area)

Housing Material:

PBT/PET

Temperature Range:

–40 °C up to +125 °C

Current Carrying Capacity:

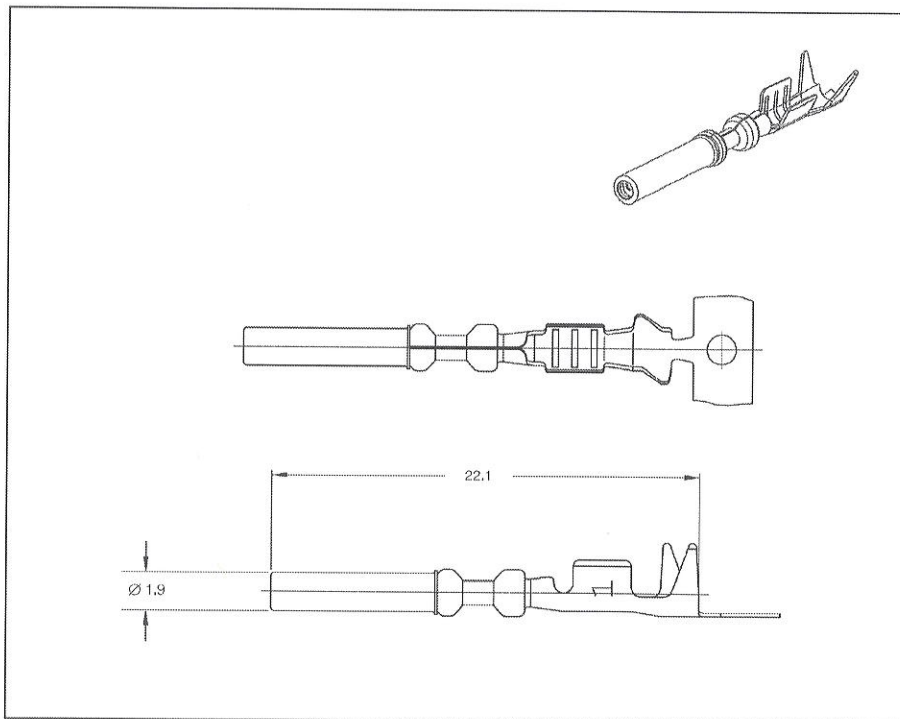
See Product Specification

Product Specification:

108-78140

Application Specification:

114-78011, 114-78013



1.0 mm Receptacle Contacts

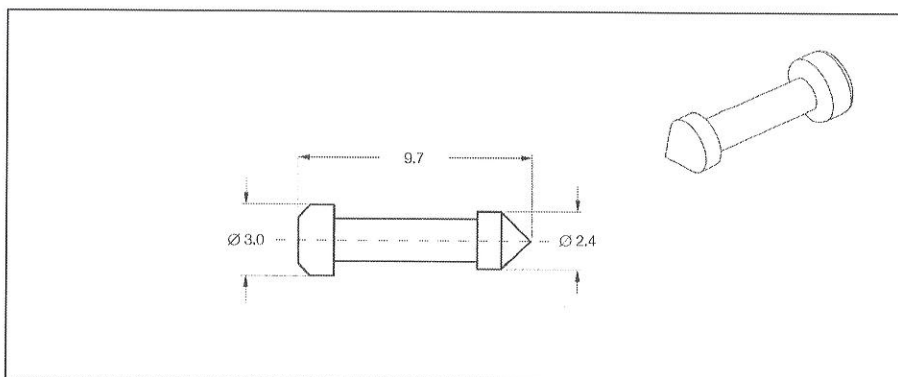
Wire Size Range (mm ²)	Insulation Diameter (mm)	Material and Finish	Part Numbers						Applicator*	Hand Tool
			Strip Form	Package Quantity	Loose-Piece	Package Quantity				
0.5	1.6–2.2	Copper Alloy Gold over Nickel (Contact Part) Tin over Nickel (Crimp Area)	3-1447221-4	–	–	–			x-1463174-x	1454509-2
0.75–1.25	1.8–2.4	Copper Alloy Gold over Nickel (Contact Part) Tin over Nickel (Crimp Area)	3-1447221-3	–	–	–			x-1463173-x	1454509-1

All part numbers are RoHS and ELV compliant.

* The pre- and suffix for the applicators depends on the applied termination equipment.

Cavity Plug

Part No. 4-1437284-3



DigiKey

Product Index > Connectors, Interconnects > Rectangular Connectors > Rectangular Connector Housings

> TE Connectivity AMP Connectors 4-1437290-0

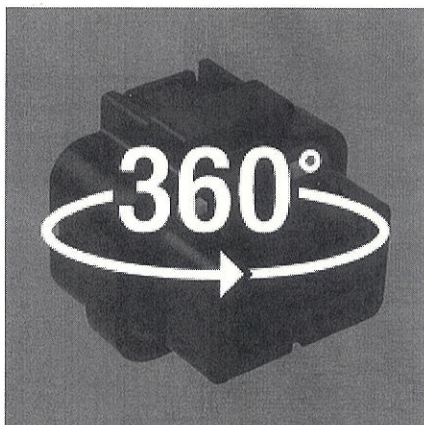
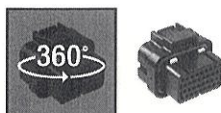
Dark
Mode**4-1437290-0**

Image shown is a representation only. Exact specifications should be obtained from the product data sheet.

**DigiKey Part Number**

A106220-ND

Manufacturer

TE Connectivity AMP Connectors

Manufacturer Product Number

4-1437290-0

Description

CONN PLUG HSG 34POS 3.00MM

Manufacturer Standard Lead Time

11 Weeks

3-1447221-3 / 16-18 GA PINS
.44 EA

3-1447221-4 / 20 AWG
.44 EA

3-1447221-5 / 22 AWG
.44 EA

4-1437284-3 / Cap
.18 EA

EXTRACTION TOOL - A-157A00
9-1579007-1
\$ 63.37

Environmental & Export Classifications

ATTRIBUTE	DESCRIPTION
RoHS Status	RoHS Compliant
Moisture Sensitivity Level (MSL)	1 (Unlimited)
REACH Status	Vendor Undefined
ECCN	EAR99
HTSUS	8536.69.8000

You May Also Be Interested In [See All 10](#)



3-1437290-7
CONN PLUG HSG 26POS 3.00MM

TE Connectivity AMP Connectors

\$10.87000

Details

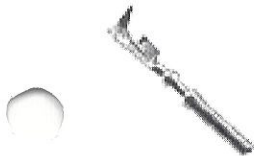


4-1437290-1
CONN PLUG HSG 34POS 3.00MM

TE Connectivity AMP Connectors

\$11.18000

Details



3-1447221-4

CONN SOCKET 20AWG CRIMP GOLD

TE Connectivity AMP Connectors

\$0.44000

[Details](#)

Associated Product

4-1437284-3

CAP

TE Connectivity AMP Connectors

\$0.18000

[Details](#)

Additional Resources

ATTRIBUTE	DESCRIPTION
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Other
Names

4-1437290-0-ND
-3900113-3421-CSI-ND
-3900113-3421-LSI-ND
-4-1437290-0-CSI
-3900113-3421-SI-ND
A106220
414372900
-4-1437290-0-SI
-3900113-3421-CSI
-3900113-3421-SI
-3900113-3421-LSI
-4-1437290-0-LSI
2266-4-1437290-0

Standard
Package

500



1-800-344-4539

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Haltech

Fire wall wires

Gm map - 3 wires
Flex fuel - 3 wires

Can - 2 wires

Boost valve - 2 wires

AIT - 2 wires

AEM

Meth/H₂O injection - Batt 12+
Solonoid Gnd
5 wires
Pump power
Pump Ground

Aem trans temp -
Temp sensor 2 wires