Technology to Inspire Innovation

Transportation

IL-AG5-#S- S3C1 Socket Housing: Contacts: IL-AG5-C1-5000 (socket) IL-AG5-PC1-5000 S: single row IL-AG5-#P- S3C1 Pin housing: (pin) D: double row Hand tool: CT150-1-AG5 Semi auto: 3502-AG5-2 IL-AG5-#P-S3L2 Automatic: 350-AG5-3B L: right angle

Socket housing: MX1900#S51

MX1900#P51 Pin housing:

1: Black

Hand Tool: CT150-4C-MX19 Semi auto: 3502-MX19-2B

Socket housing: MX23A##SF1

> Pin header: MX23A##NF1

> > 1: Standard

MX23A##XF1 Front cap:

Contacts: M23S05K351

Dummy pin: M120-55780

MX19S10K451 (socket)

MX19P10K451 (pin)

Hand tool: CT160-3B-MX23 Semi auto: 350-MX23-2

Dummy pin: MX19000XD1

Socket housing: MX340##SF1 Pin header: MX340##UF1

> 1: 3-24 pos U: Straight N: Angled 2: 28-40 pos

Contacts	Hand Tool	Semi auto	Automatic	
M34S75C4F1	CT150-2-MX34	350-MX34D-2	350-MX34B-3B	
M34S75C4F2	CT150-1-MX34	350-MX34D-2	350-MX34B-3B	
M34S75C4F3	N/A	350-MX34C-2	350-MX34C-3B	
M34S75C4F4	N/A	350-MX34C-2	350-MX34C-3B	

Board Mounting Receptacle: MX39004NQ1

USB Harness: MX45004S0008397 (150mm) Socket housing: MX3600#SQ3

> Pin housing: MX3600#PQ3

MX36004XF3 Front cap:

Contacts: M36S08K4Q3 (socket)

M36P08K4Q3 (pin)

350-MX36-2 Semi auto:

Automatic: 350-MX36-3B

Socket housing: MX37004SP3

Pin housing:

Contacts:

Pin M37P75C4P3 M37S07K4P3

Semi Auto: 350-MX37S-2 350-MX37P-2

Automatic: 350-MX37S-3B 350-MX37S-3B

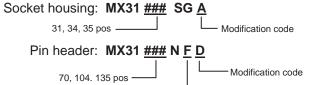
Socket housing: MX44###SF1 Pin header: MX44##NF1

Retainer: MX44###XR1 MX44000XP1 Wire seal:

Contacts: M44S05K4F1

Hand Tool: CT150-2-MX44 Semi Auto: 3502-MX44-2

Wire O.D. 1, 1.4-1.5mm 2: 1.6-1.7mm



MX37004PP3

F: All Sn plated contacts Q: Selective gold plated contacts

Contacts	Wire (AWG)	Semi Auto	Automatic	
M31S07K4FA (Sn, signal)	#22-20	350-MX31A-2	350-MX31A-3B	
M31S07K4QA (Au, signal)	#22-20	350-MX31A-2	350-MX31A-3B	
M31S07K4FB (Sn, signal)	#24	350-MX31A-2	350-MX1A-3B	
M31S05K3FA (Sn, power)	#18-16	350-MX31B-2	350-MX31B-3B	
M31S05K4FA (Sn, power)	#22-18	350-MX31B-2	350-MX31B-3B	
M31S05K4QA (Au, power)	#22-18	350-MX31B-2	350-MX31B-3B	

Series	IL-AG5	MX19	MX23A	MX31	MX34	MX36	MX37	MX39/MX45	MX44
Photo			Fig. 4				6		
Pitch	2.5mm	2.5mm	2.5mm	Signal: 2.2mm Power: 3.2mm	2.2mm	2.5mm	2.2mm	2.2mm	3.5mm
	AWG #22-18	AWG #22-20	AWG #22-16	Signal: AWG #22-20 Power: AWG #22-16	AWG #22-20	AWG #20	AWG #20	AWG #28 Twin Ax	AWG #22-20
Wire Size	AV,AVS,AVSS: 0.3 to 0.5mm ² AVS, AVSS: 0.85mm ²	CAVS: 0.3 to 0.5mm ² AVSS: 0.5mm ²	AVSS, AVS: 0.5 to 1.25mm ²	Signal: AVS, AVSS, AVX 0.3 to 0.5mm ² Power: AVS, AVSS AVX 0.3 to 1.25mm ²	AVSS: 0.3, 0.5mm ² CHFUS: 0.22 to 0.35mm ² , 0.5 to 0.75mm ² CAN SD: 0.35mm ²	AVSS 0.5, AVSS 0.5F, AVSSX 0.5f, TVSSX 0.5f	AVSS 0.5, AVSS 0.5F, AVSSX 0.5f, TVSSX 0.5f		AVSS 0.3 to 0.5mm ²
Pin Count	1 row: 4,5,6, 7,10 2 rows: 14,16, 18,22,30	2, 4	12, 18, 26, 34, 36,40	Pin: 70,98,104,135 Socket: 31,34,35	3,5,7,12,16,20, 24,28,32,36,40	2, 4	4	4	2, 4, 6
Current Rating	3A	5A	3A	Signal: 2.2A Power: 5.7A	3A	3A	3A	500mA	3A
Operating Temperature	-40 ~ +85 °C	-40 ~ +85 °C	-40 ~ +125 °C	-40 ~ +85 °C	-40 ~ +85 °C	-40 ~ +105 °C	-40 ~ +105 °C	-40 ~ +85 °C	-40 ~ +125 °C
Application	Cable to Cable/ Board to Cable	Cable to Cable	Board to Cable	Board to Cable	Board to Cable	Cable to Cable	Cable to Cable	Cable to Cable/ Board to Cable	Board to Cable
Features	Mechanical lock system enabling complete mating. Secondary lock mechanism to ensure correct terminal retention. Simplified crimp type termination.	Waterproof. Mechanical lock system. Grommet seal. Terminals have low insertion force and stress dispersion. Rear cover protects the grommet from damage.	Waterproof. Low profile. Available in reverse mount type. Retainer detects incomplete insertion of socket contact.	Mechanical lock system with audible click. Socket side contact designed with secondary lock. Simplified crimp type termination.	Lightweight. Mating and unmating force less than 80N. Closed box socket contact increases mechanical strength. Preset retainer allows easy wire harness assembly.	Waterproof. Spring separates connectors if not correctly mated. Shorting contact eliminates static discharge. Retainer detects incomplete insertion of socket contact.	Mechanical complete mating method. Spring separates connector if not correctly mated. Shorting contact eliminates static discharge. Retainer detects incomplete insertion.	USB 2.0 compatible. Sold as a complete harness with USB standard receptacle.	Single contact waterproof. Compact size. Improved vibration resistance by vibration absorption function of rubber. Secondary lock mechanism.

