



Certification Record

| CUSTOMER | CLASS | FILE |
|---|--|--------------|
| Japan Solderless Terminal Manufacturing Co., Ltd. 3-9-23 Takejima, Nishi Yodogawa-ku Osaka 555-0011 Japan | 6233-01 RECEPTACLES-Attachment Plug Type and Plugs | 020812_0_000 |
| Refer to Class Description for program details | | |

TO THE REQUIREMENTS/GUIDE OF CSA STD C22.2 NO 182.3-M1987:

Special or general use connectors are as follows:

- Type "D", Series J and JH, D-subminiature, 3A, 250V ac, male and female contacts.
- Type D, Series JK and KH, 1A, 250V ac/dc, 15, 26 or 44 position.
- Connectors, nylon 105C, 15 poles max, male and female, Series L, L', LB, intended for installation by special power tools on stranded conductors No 14 AWG to 24 AWG, 250V max, 17A max for 1 to 2 poles, 15A max for 3 to 4 poles, 12A max for 6 to 12 poles, 10A max for 15 poles: Type L, Series ML, intended for installation by special power tool on stranded conductors, No 16 to 26 AWG, 250V max, 10A max for 2 to 4 poles, 8A max for 5 to 6 poles, 6A max for 9, 10, 12 and 15 poles. Series LL, and Type L, Series LL, intended for installation by special power tools on stranded copper conductors, No 14 to 24 AWG, 250V max, 15A max for 1 to 2 poles, 14A max for 3 poles, 12A max for 4 poles, 12A max for 6 poles, 10A max for 9 poles, 9A max for 12 to 15 poles.
- Receptacle for washing machine, 105C, 18 poles, 250V, 6A per pole max, Type T.
- Type L, Series EL, 105C, 15 poles max, male and female, intended for installation by special power tools on stranded conductors No 16 to 26 AWG, 300V max, 10A max for 2 to 4 poles, 8A max for 6 poles, 6A max for 9, 12 and 15 poles.

Special use connectors, disconnectable, for wire to pcb, as follows:

| Type | Series | Rating | Pitch |
|------|--------|--|----------------|
| V | LV | 250 V, 5 A (18, 20 AWG) 3 A (22 AWG) 2 A (24 AWG) | 8.0 mm/10.0 mm |
| VU | VU | 250 V, 5 A (22 AWG) | 3.96 mm |

- Type CS, 3-pole cluster socket for use with copper conductors, rated as follows:

| Housing Cat Nos | Contact Cat Nos | Conductor Size (AWG) | Rating |
|--------------------|--------------------|-------------------------|---------------------------|
| 3P-SCS | SCS-41T-2.3 | 16, 18, 20 (Stranded) | 250 V, 10 A (16, 18 AWG), |

| | | | |
|-----------|--------------|-----------------------|---|
| 3P-SCS-R | SCS-41T-2.3 | 16, 18, 20 (Stranded) | 7 A (20 AWG) 250 V, 10 A (16, 18 AWG), 7 A (20 AWG) |
| 3P-SCS-SP | SCS-41T-2.3 | 16, 18, 20 (Stranded) | 250 V, 10 A (16, 18 AWG), 7 A (20 AWG) |
| 3P-SCS-1 | SCS-41T-2.3 | 16, 18, 20 (Stranded) | 250 V, 10 A (16, 18 AWG), 7 A (20 AWG) |
| 3P-CSN | SCSN-60T-2.3 | 18-22 (Solid) x 2 | 250 V, 10 A (18 AWG), 7 A (20 AWG), 5 A (22 AWG) |

- Type CS, Cat No SFO-41T-2.3, for use with No 16 AWG stranded conductors, 250V, 10A, for use with No 18 AWG stranded conductors, 250V, 7A, for use with No 20 AWG stranded conductors, 250V, 5A.
- Type L, Series XL, 90C, 16 poles max, male and female, intended for assembly on No 16 to 26 AWG wire, 10A max (2-pole connectors on No 16 AWG wire), 250V max.
- Type L Series XL, Cat No B**P-XL-HDS, S**P-XL-HDS, 10A max, 250V max. (2 to 16 poles) double asterisk ** designate number of poles, poles 02 to 16.
- Type L, Series LC 90C, 4 poles, 250V max, male and female, (including Cat No LCK-04A) intended for assembly on No 18 to 24 AWG stranded conductors, 7A on 18 AWG, 5A on 20 AWG, 4A on 22 AWG, 3A on 24 AWG wire.

- Special use connectors, disconnectable, for multi conductor parallel cable to pcb, as follows:

| Type | Series | Rating | Pitch |
|------|--------|---------------------|---------|
| RTS | RA | 1 A, 300 V (28 AWG) | 2.54 mm |
| RTS | RB | 1 A, 300 V (28 AWG) | 2.54 mm |
| RTS | RC | 1 A, 300 V (28 AWG) | 2.54 mm |
| RTS | RD | 1 A, 300 V (28 AWG) | 2.54 mm |
| RTS | RK | 1 A, 300 V (28 AWG) | 2.54 mm |
| RTS | RX | 1 A, 300 V (28 AWG) | 2.54 mm |

- Moulded housings, 250V, 105C, Series 1P-187, 3V-187, 3V-187A, N1F-250 and contacts, STO-41T-187N, -187S, -187SA, HST1-61T-250, -81T-250, for use with No 12 to 22 AWG, AWM. Ratings of Series S and 250 contacts are as follows:
- Series S; voltage 250V; temperature 105C max; current:

STO-41T-187N; 20 AWG, 5A; 18 AWG, 7A; 16 AWG, 12A;

STO-41T-187S, -187SA; 20 AWG, 4A; 18 AWG, 6A; 16 AWG, 10A.

- Series 250; 250V; 105C max; current, 22 AWG, 3A; 20 AWG, 5A; 18 AWG, 7A; 16 AWG,

12A;14 AWG, 17A; 12 AWG, 25A.

- Connectors, 250V, Cat No SMF-01T-1.0 (having plastic housing), 105C and SMF-01T-1.3 (without housing) intended for installation by special tools on Nos 20 AWG (5A), 22 AWG (2A) and No 24 AWG (2A) stranded conductors.
- Connectors, single pole board-in type, Series SIN, used on printed circuit boards, Cat Nos SIN-001T-1.2, -1.2B, SIN-01T-1.2, -1.8, -1.8N, SIN-002T-1.0, -1.2N, SIN-21T-1.8, for sizes 30-18 AWG copper conductors, crimped using the manufacturer's automatic tools.
- Type V, Series SLV, rated 5A, 250V, 85C, 10-poles max, for use with stranded copper conductors, Size 26 to 20 AWG.
- Special use connectors, soldering, for wire to pcb, insulation displacement type, as follows:

| Type | Series | Rating | Wire Size/Range | Contact Pitch |
|------------|--------|--------------|-----------------|---------------|
| B, UB, BIN | DA | 1.0 A, 100 V | 26 to 28 AWG | 2.0 mm |
| B, UB, BIN | DB | 2.0 A, 250 V | 24 to 28 AWG | 2.5 mm |
| B, UB, BIN | DD | 0.7 A, 100 V | 26 to 28 AWG | 2.0 mm |
| B, UB, BIN | DS | 1.0 A, 100 V | 26 to 28 AWG | 2.0 mm |

- Series CS, 2.0mm pitch, 85C, 10 poles (max), 2A, 30V max, for use with 26 AWG; DG, 2.5mm pitch, 2A max, 250V, 85C, 10-poles max, for use with Nos 24, 26 AWG tinned copper wiring material.
- Type SQ, 2.5mm pitch, 85C, 15-poles (max) 3.0A, 250V.
- Type Z, 13 poles max, 30V, 85C, Series SZN, rated 0.7A (28 AWG), 0.5A (30 AWG).
- Series SB headers, 2.5mm pitch, 85C, 20-poles (max), 3.0A, 250V.
- Series SBN, 2.5mm pitch, 85C, 15-poles (max), 2.0A, 250V, for use with No 24 to 28 AWG, SCN, 2.5mm pitch, 85C, 16-poles (max), 3.0A, 250V, for use with No 22 to 28 AWG.
- Series SAN, 2.0A, 30V, 85C, 15-poles (max), for use with No 24 to 30 AWG stranded Certified wire.
- Series SM, 3.0A, 250V ac, for use with 22 to 30 AWG copper conductors.
- Cat No LC-04T, 90C, 7A, 250V ac, for use with two stranded copper conductors, 18 or 20 AWG to contact Cat No SLC-22T-2.0.
- Series NH, 3A max, 250V, 60C, 2- to 25-poles, for use with No 22 to 30 AWG stranded copper conductors.
- Type DC, rated 250V max, 2A (24 AWG), 1A (26 AWG), 0.7A (28 AWG).
- Type ER, rated 250V, 2A (24 AWG), 1A (26 AWG), 0.7A (28 AWG).
- Series FE, 1A, 150V ac/dc, 85C; FMZ, 0.5A, 30V, 85C, for use with Certified ribbon multi-conductor cable.
- Special-use connectors; rated 50V, 0.5A (max), 85C; Type F, Series FA2; 26 terminal (max); for soldering onto pc board.
- Type F, Series DE, rated 2.5A, 250V, 2.54mm pitch, insulation displacement type, card-edge, for single sided pcb.
- Special use connectors, pcb mount, for use with flat flexible cable or flat printed circuits, as follows:

| Type | Series | Rating | Pitch |
|------|--------|-------------------|---------|
| F | DF | 1A max, 250V, 85C | 2.54mm |
| F | FDZ | 1 A, 250 V | 2.54 mm |
| F | FFS | 0.5A max, 50V,85C | 1.25mm |
| F | FMS | 0.5A max, 50V,85C | 1.0mm |
| F | FPZ | 0.5A max, 30V,85C | 1.0mm |
| F | FR | 1.0 A, 250 V | 2.54 mm |

| | | | |
|---|--------------|----------------------|--------|
| F | FRZ | 0.5A max, 30V,85C | 1.27mm |
| F | FMN | 0.5A max, 50V | 1.0mm |
| F | FMD | 1A max, 50V, 85C | 1.0mm |
| F | FL | 0.5 A max, 30 V | 0.5 mm |
| F | FLS | 0.5 A max, 30 V | 0.5 mm |
| F | FLT | 0.5 A max, 30 V | 0.5 mm |
| F | FLH | 0.5 A max, 30 V | 0.5 mm |
| F | FX | 0.2 A max, 30 V, 85C | 0.3 mm |
| F | FXS | 0.5 A max, 30 V | 0.3 mm |
| F | FKZ | 0.5 A max, 30 V, 85C | 0.5 mm |
| F | FY | 0.4 A max, 30 V | 0.5 mm |
| F | FHZ | 0.5 A max, 30 V | 0.5 mm |
| F | FLZT | 0.5 A max, 30 V | 0.5 mm |
| F | FF | 1A max, 50V, 85C | 1.25mm |
| F | FM | 0.5A max, 50V | 1.00mm |
| F | FH, FHG, FHJ | 0.5 A, 30 V | 0.5 mm |
| F | FHX | 0.5 A, 30 V | 0.5 mm |
| F | FLZX | 0.5 A, 30 V | 0.5 mm |
| F | FXW | 0.2 A, 30 V | 0.3 mm |
| F | FSZ | 0.5 A, 30 V | 0.5 mm |

- Special use connectors, pcb mount, for use with ribbon cables or laminated wires, as follows:

| Type | Series | Rating | Pitch |
|------|--------|------------------|-------|
| F | FC | 1A max, 50V, 85C | 1.5mm |
| F | RVQ | 3A max, 250V | 2.5mm |

- Special-use connectors, soldering, for wire to pcb, wire insulation displacement type, as follows:

| Type | Series | Rating | Pitch |
|------|--------|------------------------------|-------|
| BIN | ZA | 0.7 A max, 30 V (28, 30 AWG) | 1.5mm |

- Special-use connectors, soldering, pcb to pcb, as follows:

| Type | Series | Rating | Pitch |
|------|--------|----------------|---------|
| H | BB | 3A, 250 V, 85C | 2.54 mm |

- Special-use connectors, disconnectable, for wire to pcb, as follows:

| | | | |
|---|----|---------------------------|-------------------|
| H | BH | 0.7A, 600V (28 AWG) | 4.0, 6.0 or 8.0mm |
| | | 0.7 A, 1500 V (28 AWG) | 8.0 mm |
| | | 1.0A, 600V (22-26 AWG) | 4.0, 6.0 or 8.0mm |
| | | 1.0 A, 1500 V | 8.0 mm |

| | | | |
|----|------|--|------------------|
| | | (22-26 AWG) | |
| H | EH | 3 A max, 250 V (22-30 AWG) | 2.5 mm |
| H | BHL | 1.0 A max, 1400 V (26-28 AWG) | 2.3 mm |
| H | BHC | 1.0 A max, 3000 V (26-28 AWG) | 13.0 mm |
| H | MEH | 3 A max, 250 V, 85 C (22-28 AWG) | 2.5 mm |
| H | SHL | 1.0 A, 30 V (30-32 AWG) | 1.0 mm |
| H | SHLV | 1.0 A, 30 V (30-32 AWG) | 1.0 mm |
| H | VB | 7 a max, 250 V (18-22 AWG) | 3.96 mm |
| H | VH | 10 A max, 250 V, (16-24 AWG) | 3.96 mm |
| H | VHJ | 7 A, 250 V (18-22 AWG) | --- |
| H | PA | 3 A max, 100 V, (22-28 AWG) | 2.0 mm |
| H | PAD | 2 A max, 250 V (24-28 AWG) | 2.0 mm |
| H | TS | 1 A max, 30 V (24-28 AWG) | 2.54 mm |
| H | XH | 3 A max, 250 V or 600 V (22 30 AWG) | 2.5 mm or 7.5 mm |
| V | V | 5 A, 250 V (20-26 AWG) | 5.0 mm/ 7.5 mm |
| V | SV | 5A, 250 V (20-26 AWG) | 5.0 mm |
| H | PND | 3 A max, 250 V (22-28 AWG) | 2.0 mm |
| WP | WPJ | 7 A max, 300 V (18-22 AWG) | 5.0 mm |

- Special-use connectors, disconnectable, for wire-to-pcb or wire-to-wire, as follows:

| | | | |
|-----|----|---------------------------------|-----------------|
| JFA | - | 9.5 A max, 250 V (18-24 AWG) | 3.81 or 5.08 mm |
| H | XA | 3 A max, 250 V (20-28 AWG) | 2.5 mm |

- Special-use connectors, disconnectable, for wire to wire, as follows:

| | | | |
|---|-----|--------------------------|-------|
| H | BHM | 1.0, 850V (22-28 AWG) | 4.0mm |
| | | 1.0, 1500V | 8.0mm |

| | | | |
|---|-----|---|--------|
| H | BHS | (22-28 AWG) 1.0 A, 1400 V | 3.5 mm |
| H | BHT | (26-32 AWG) 0.5 A, 1500 V, 85C | 5.1 mm |
| H | TSD | (28 AWG) 2 A max, 300 V (power), 30 V (signal) | 2.0 mm |
| H | XM | (24-28 AWG) 3 A max, 250 W (22 to 26 AWG) | 2.5 mm |

- Special use connectors, disconnectable hinge type, pcb to pcb, as follows:

| Type | Series | Rating | Pitch |
|------|--------|---------------|---------|
| H | HQB | 1A, 50 V, 85C | 1.5mm |
| H | HQF | 1A, 200V, 85C | 2.0mm |
| H | HQM | 1A, 100V, 85C | 1.5mm |
| H | HQS | 1A, 250V | 2.0mm |
| H | AQ | 1 A, 100 V | 2.0 mm |
| H | JV | 1 A, 100 V | 1.25 mm |

- Special use connectors, disconnectable, pcb to pcb, as follows:

| | | | |
|---|---------|--|-----------------------------------|
| H | GTS | 7A, 250V, 85C | 10.0 mm (4-poles max) |
| H | HVQ | 3A, 250V, 85C | 2.5mm |
| H | MQ | 1A, 250V, 85C | 2.0mm |
| H | JMD | 0.5A, 30V, 85C | 0.5mm |
| H | JAV | 0.3A, 30V | 0.4mm |
| H | JX | 1 A, 30 V | 1.27 mm |
| H | JMS | 0.3 A, 30 V | 0.5 mm |
| H | JMC | 0.5 A, 50 V | 0.5 mm |
| H | FJ | 1.0 A max, 50 V 0.5 A max, 50 V | 2.0 mm, 2.5 mm 1.25 mm, 1.5 mm |
| H | JE, JED | 1.0 A max, 50 V | 1.25 mm |
| H | JAL | 0.3 A, 30 V | 0.4 mm |
| H | JAN | 0.2 A, 30 V | 0.4 mm |
| H | JDF | 1 A, 50 V | 1.5 mm |
| H | JDV | 1 A, 50 V | 1.5 mm |
| H | JU | Power: 125 V, 3 A Signal: 30 V, 0.6 A | 2.5 mm 0.6 mm |

- Special-use connectors, disconnectable, for wire to pcb, wire insulation displacement type socket and header, as follows:

| Type | Series | Rating | Wire Size/Range | Contact Pitch |
|------|--------|-------------------|-----------------|---------------|
| H | SR | 0.5 A, 30 V, 85 C | 30 AWG | 1.0 mm |

| | | | | |
|---|-----|-------------------|---------------------|--------|
| H | SSR | 0.5 A, 30 V, 85 C | 32 AWG | 1.0 mm |
| H | ASR | 0.7 A, 30 V, 85 C | 30 AWG | 1.0 mm |
| H | SUR | 0.5 A, 30 V | 32 AWG or 36 AWG | 0.8 mm |
| H | DR | 1.0 A, 100 V | 26, 28 AWG | 2.0 mm |
| H | NR | 2 A, 250 V | 22-28 AWG | 2.5 mm |
| H | NRD | 2 A, 250 V | 22-28 AWG | 2.5 mm |
| H | SFH | 3.2 A, 350 V | 28-32 AWG | 1.8 mm |

- Special-use connectors, disconnectable, 2.0 mm pitch, Type H, Series:

| Utility | Socket Assembly | Series Designation | | | Number of Poles | Max Rating | Wire Range |
|-----------------|--------------------|--------------------|---------------------------|--------|-----------------------|---------------|---------------|
| | | Base Post | Inter- connect Unit | Holder | | | |
| Wire to pwb | PH or PHN | PH | - | - | 2-16 | 100 V, 2 A | 24-30 AWG |
| Wire to pwb | PH or PHA | PHA | - | - | 2-16 | 100 V, 2 A | 24-30 AWG |
| Wire to pwb | PH or PHN | KRW | - | KRW | 16-32 | 100 V, 2 A | 24-30 AWG |
| Wire to pwb | KR | PH | - | - | 2-16 | 30 V, 2 A | 24-28 AWG |
| Wire to pwb | KR | KRW | - | KRW | 16-32 | 30 V, 2 A | 24-28 AWG |
| Wire to pwb | CR | PH | - | - | 2-16 | 100 V, 2 A | 26 AWG |
| Wire to pwb | KRD | PH | - | - | 2-16 | 100 V, 1 A | 26-28 AWG |
| Wire to pwb | CK | PH | - | - | 2-16 | 30 V, 2 A | 26-28 AWG |
| Wire to pwb | CK | KRW | - | KRW | 16-32 | 30 V, 2 A | 26-28 AWG |
| Wire to wire | PH or PHN | - | TR | - | 2-16 | 100 V, 2 A | 24-30 AWG |
| Wire to wire | PH or PHN | - | TRW | KRW | 16-32 | 100 V, 2 A | 24-30 AWG |
| Wire to wire | KR | - | TR | - | 2-16 | 30 V, 2 A | 24-28 AWG |
| Wire to wire | KR | - | TRW | KRW | 16-32 | 30 V, 2 A | 24-28 AWG |
| Wire to wire | CK | - | TR | - | 2-16 | 30 V, 2 A | 26-28 AWG |
| Wire to wire | CK | - | TRW | TRW | 16-32 | 30 V, 2 A | 26-28 AWG |

- Special use connectors, disconnectable, wire to pcb, as follows:

| Type | Series Designation | | Number of Poles | Rating/ Wire Range | Pitch |
|---------|--------------------|-----------|-----------------|---|--------|
| | Socket Assembly | Base Post | | | |
| H and Z | ZR | ZR | 2-13 | 30 V, 0.7 A (28 AWG), 0.5 A (30 AWG) | 1.5 mm |
| H and Z | ZH | ZR | 2-13 | 30 V, 1 A (26 AWG), 0.7 A (28 AWG), 0.5 A (30 AWG) 0.2 A (32 AWG) | 1.5 mm |

- Special use connectors, disconnectable, wire to wire, as follows:

| Type | Series Designation | | Number of Poles | Rating/ Wire Range | Pitch |
|---------|--------------------|---------------|-----------------|---|--------|
| | Socket Assembly | Plug Assembly | | | |
| H and Z | ZR | ZM | 2-13 | 30 V, 0.7 A (28 AWG) 0.5 A (30 AWG) | 1.5 mm |
| H and Z | ZH | ZM | 2-13 | 30 V, 0.7 A (28 AWG) 0.5 A (30 AWG) | 1.5 mm |

- Type H, Series H, Nos 22-26 AWG, 3A max, 250V ac/dc.
- Type H, Series JL, 3A, 250V ac.
- Type H, Series HM, HR and HRW, 2.5mm pitch, 85C, 250V, 3A max (Nos 22 to 28 AWG).
- Type H, Series JF, rated 1A, 50V ac/dc, for ambient of 85C.
- Type H, Series JQ, 3A, 250V, 85C, 3 to 15 poles.
- Special-use connectors, Type H, Series LH connector, rated 250V, 6A max, 110C for wire Sizes 20 to 24 AWG.
- Type H, Series MBS, 1A, 250V ac/dc, 85C ambient.
- Type H, Series NV, rated 250V, 7A max, for wire range 18 through 22 AWG.
- Type H, Series NVA, rated 250V, 10A max, for wire range 16 through 20 AWG.
- Type H, Series RCY, 3A max, 250V, 85C, (for Nos 22 to 28 AWG).
- Type H, Series VA, 2-pole, rated 10A, 250V, 85C, (for No 16 AWG).
- Special-use connectors, disconnectable, for pcb or fpc to pcb, as follows:

| Type | Series | Ratings | Pitch |
|------|--------|-----------|--------|
| HD | HD | 30 V, 1 A | 2.0 mm |

Special use connector combination, disconnectable, for wire to pcb, with wire insulation displacement type socket and header, as follows:

| Socket Type | Series | Header Type | Series | Rating | Wire Range | Pitch |
|-------------|--------|-------------|--------|--------------------|-----------------|---------|
| H | VR | H | VS | 7.0 A max 250 V | 18 to 26 AWG | 3.96 mm |

- Type H, Series VT, rated 12A, 250V ac/dc, 85C.
- Type H, Series XAD, 40-poles max, 2.5 mm pitch, rated 3 A, 250 V, 85C, for No 20 to 28 AWG copper conductors.
- Type H, Series XR socket assemblies, 15-poles max, 2.0 mm pitch, rated 125 V, 2 A (26 AWG), 1 A (28 AWG), 85C for stranded copper wires; and Type H, Series XRW socket holders.
- Type H, Series CZ, 20-poles max, 1.5 mm pitch, wire insulation displacement type, disconnectable, for wire to pcb, 30 V, 2 A (26 AWG), 1 A (28 AWG).
- Type H and Z, Series CZH, 20-pole max, 1.5 mm pitch, crimp contact type socket, for use with Series CZ header, 30 V, 2 A (26 AWG), 1 A (28 AWG).
- Type H and Z, Series, CZW, 40-poles max, 1.5 mm pitch, header and socket holder, for use with Series CZ sockets, 30 V, 2 A max, 85C.
- Type H, Series TCZ, 6-poles, 1.5 mm pitch, drawer connector, wire to pwb, for use with Series CZ socket connector, 30 V, 1 A.
- Type H, Series TZ, 20-poles max, 1.5 mm pitch, intermediary base post, for use with Series CZ sockets, 30 V, 2 A max, 85C.
- Type H, Series TZW, 40-poles max, 1.5 mm pitch, intermediary base post, for use with Series CZ sockets and Series CZW socket holder, 30 V, 2 A max, 85C.
- Type H, Series RGW, header 1.27 mm pitch, 250 V, 1 A.

- Special-use connectors, hybrid type, disconnectable, for wire-to-wire, as follows:

| Type | Series | Rating (Wire Range) | Pitch |
|------|--------|---|------------------|
| H | RPZ | Power: 250 V, 10 A max (16-24 AWG) Signal: 50 V, 1 A max (mated with CZ socket & CZW holder) | - 1.5 mm |
| H | RWZ | Power: 600 V, 10 A max (16-24 AWG) Signal: 50 V, 1 A max (mated with CZ socket) | 7.5 mm 1.5 mm |
| H | RIZ | Power: 600 V, 10 A max (16-24 AWG) Signal: 50 V, 1 a max (mated with CZ socket) | 7.5 mm 1.5 mm |
| H | OTZ | Power: 300 V, 5 A max (20-26 AWG) Signal: 50 V, 1 A max (mated with CZ socket) | 4 mm 1.5 mm |

- Type H, Series PAF, 15-poles max, 2.0 mm pitch, socket connector, wire insulation displacement type, 100 V, 1 A (26 AWG), intended for mating with Series PA header or PAL plug connector.
- Type H, Series PAL, 8-poles max, 2.0 mm pitch, plug connector, 100 V, 3 A (22 AWG) 2 A (24 AWG), 1 A (26 AWG), 0.7 A (28 AWG), intended for mating with Series PA socket or PAF socket connector.
- Cat No SPI-21T-250, 105C, rated 7A max, 250V, Cat No SPI-61T-250, rated 15A max, 250V.

- Mini DIN plugs and sockets, Type M, Series MD, 6-pole, rated 85C, 1A, 50V ac and dc, (with 26 AWG wire) for use with 26-30 AWG Type AWM Certified wire.
- Special use connectors comprising receptacles and mating plugs, wire-to-wire, for copper wires.

| Type | Series | Rating | Pitch | For Wires(AWG) |
|------|---------|-------------------|--------|----------------|
| L | HL | 7A max, 300V, 90C | 3.96mm | 18 to 22 |
| L | SL | 7A max, 300V | 3.96mm | 18 to 26 |
| L | YL, YLN | 10A max, 600V | 4.5mm | 16 to 26 |
| L | ZL | 10A max, 300V | 5.0mm | 16 to 26 |
| L | XLV | 7A max, 300V | 5.5mm | 18 to 26 |

- Special use connectors comprising receptacles and mating plugs, wire(s)-to-wire(s), or base pins and mating plugs, wire(s)-to-pcb, for copper wires.

| Type | Series | Rating | Pitch | For Wires(AWG) |
|------|--------|----------------|----------------|----------------|
| L | VL | 20 A max, 600V | 6.2 mm/12.4 mm | 12 to 22 |

- Special-use connectors, Type M; single row, Series ICM-A (1.00mm pitch); double row, Series ICM-B (1.27mm pitch); Series ICM-C (1.27mm pitch), Series ICM-D (1.00mm pitch); rated 30V, 0.5A.
- Type C, Series ES, rated 1.0A, 50V, 85C.
- Type C, Series MF, rated 0.5A, 30V, 85C.
- Type C, Series JCF, rated 1.5 A, 50 V, 85C, 2.5mm pitch pcb mount female connectors.
- Type B or BIN, Series SDN, rated 7A, 250V ac/dc, ambient of 85C.
- Series FLZ connector, 0.5mm pitch, rated 30V, 0.5A max.
- Special use connectors, Type H, Series PHD, rated 100V, 3.0A max, 85C.
- Special use pc mount female connector, Type M, Series JBS, rated 100V, 1.0A, 85C.
- Special use short-circuiting connectors, for Nos 16 to 22 AWG copper wires.

| Type | Series | Rating | Pitch |
|------|--------|-------------------|---------|
| L | BL | 7A max, 300V, 90C | 3.96 mm |

- Special use connectors, comprising socket receptacles (for Nos 24-28 AWG copper wire) and mating headers, as follows:

| Type | Series | Rating | Pitch |
|----------|----------------|--------------|--------|
| R or RTS | JM, RE, RF, RG | 2A max, 250V | 2.54mm |

- Special-use connectors, Type F, Series FSD, rated 0.5 A, 30 V, 85C max.
- Special use connectors, Type F, Series YH, 2 A, 30 V ac, 85C, pcb mount for use with No 24 AWG multi-conductor parallel cable.
- Special use connector, Type H, Series BR, 2.5 mm pitch, 85C, 13 pdes (max), 250 V, 2 A for No 24 AWG, 1 A for No 26 AWG and 0.7 A for No 28 AWG.
- Special-use socket connectors, Type H, Series HR, 2.5 mm pitch, 85C, 2 poles to 13 poles (max), 2.0 A, 250 V, for use with No 28 to 24 AWG (for insulation displacement construction), or for use with No 26 to 22 AWG (for crimp type contact construction).

- Type DIN, Series DIN, rated 1.5A, 50 V, 85C, 2.54 mm pitch disconnectable type, pcb to pcb connectors.
- Special-use connector assemblies, disconnectable type, for connecting to pwb and/or deflection yoke of TV set, Type V, Series DY, 5 mm or 10 mm pitch, rated 250 V, 3 A max, 85C for No 22 to 24 AWG stranded copper wire.
- Special-use connector assemblies, disconnectable type, Type V, Series DV, 5 mm or 7.5 mm pitch, rated 250 V, 3 A max, 85C for No 22 to 24 AWG stranded copper wire.
- Special-use connectors, Type B, Series PMZ, 1- or 2-pole, for connecting stranded copper conductor to pwb, rated 250 V, 7 A (18 AWG), 3 A (22 AWG), 85C.
- Special-use socket connector containing crimp type contacts for stranded copper wires and special-use base post connector combination.

| Socet Type | Series | Base Post Type | Series | Rating | Pitch | Wire Range |
|------------|--------|----------------|--------|-----------------|--------|--------------|
| H | SH | H | SR | 0.7 A max, 30 V | 1.0 mm | 28 to 32 AWG |
| H | SHD | H | SRD | 0.7 A max, 30 V | 1.0 mm | 28 to 32 AWG |

- Digital interface plug connectors in conformity with IEEE Standard 1394, Type M, Series RV, rated 30 V, 0.5 A, for termination on a multi-conductor round cable.
- Special-use connectors, for mobile equipment SIM card interface, as follows:

| Type | Series | Rating |
|------|--------|-------------|
| M | SCX | 50 V, 0.5 A |
| M | SCH | 30 V, 0.7 A |

- Special-use connectors, for wire to pcb, wire insulation displacement type socket, as follows;

| Type | Series | Rating | Wire Size/Range | Contact Pitch |
|------|--------|-----------------|-----------------|---------------|
| RAST | RSD | 250 V, 6 A max | 18-20 AWG | 5.0 mm |
| RAST | RST | 380 V, 10 A max | 17-20 AWG | 5.0 mm |

- Special-use connectors, Cat No 04HPA-SMADS-1.25 with prefixes and suffixes, rated 5mA, 7V.

Notes:

1. Prefixes and suffixes may be added to the above series designations to denote the number of circuits, packaging and minor mechanical variations not affecting the electrical characteristics of the connectors.
2. * To the designation of special-use connectors, Series XH a prefix "B" may be added to indicate the base-post assembly's irregular post removals.
3. These devices are not for interrupting current.
4. These connectors may be acceptable at voltages greater than rated where they are components of electrical equipment permitting the smaller spacings.
5. These are Certified only for supply to manufacturers for the assembly, as components, of equipment where the suitability of the combination is determined in the end use.
6. The following suffixes may or may not appear after the above Cat Nos:

| Suffix | Colour |
|-----------------|-----------------|
| A or Z | Ivory |
| B or E or BL | Blue |
| D or O | Orange |
| H | Grey |
| K or C or BK | Black |
| L | Lemon |
| M | Green |
| N | Brown |
| P | Purple |
| R | Red |
| S or Blank or W | Natural (White) |
| Y | Yellow |

7. The following prefixes and suffixes may or may not appear for the above Cat Nos:

Contact (Crimping Type):

S PH F - 002 T - P 0.5 S B

S - Packaging Style

S: Strip form (Contacts are wound on a reel).

B: Straight loose piece (Contacts are cut from a carrier of stripform and packed in a carton).

L or C: Folded loose piece (Barrels of a contact are slightly folded when the contact is separated from the carrier and packed in a carton).

PH - Connector Series Name PH, EH, VH, etc.

F - Contact Configuration

Nil: Standard, F: Female, M: Male.

002 - Applicable Wire Range

002: No 30 - No 24; 01: No 26 - No 20, 21: No 22 - 18, etc.

T - Plating Specification

Nil: Unplated, T: Tin plated, GW: Flash gold over nickel plating, etc.

P - Contact Material

Nil: Standard, P: Phosphor bronze, etc.

0.5 - Applicable pin or post size, 1h mm.

S - Contact Modification

One or 2 letters

B - Surface Treatment

Nil: Standard, B: With contact oil.

8. Hyphens may be used between the codes.

9. Parenthesis may be used with the codes.

10. Base Post or Pin Assembly - Suffix "T" with or without hyphen may be added to represent tape mount packaging on reel.

Suffixes of one or two letters, with or without hyphen may be added to represent plating specification.

e.g. NIL: Standard, G: Gold flash, etc.

11. Magazine Package. Suffix "M": may be added with or without hyphen. Parenthesis may be used with the suffix.

12. The following prefixes may or may not appear for the above Cat Nos:

L - L, L', LB, LC, LL, EL, ML, XL, ZL.
 S - S, 250, PI, CS, Bullet.
 T - T.
 B - SIN, SAN, SBN, SCN, SZN, DA, DB, DC, DD, DS, ZA.
 D - N, NE, DP, J, MD.
 F - FR, FE, FDZ, FM, DE, DF, RVQ, FF.
 R - RA, RB, RC, RD, RE, RF, RG, JM, RX, RK.
 V - V, SV, SLV, SMF.
 H - H, NH, EH, PH, VH, VB, VA, ZH, SZN, DR, RH, KR, XR, NR, NRD, HR, ER, VR, ZR,
 VS, SB, SQ, JQ, FJ, JE, SM, RCY.
 M - MD.

13. The following connectors may be accommodated the indicated wire size, provided that even through the contact come off from the housing, the wires shall be taken suitable measures so as not to make the fallen contact in touch with live part or another current-carrying part in end product, such as tying together with another fixed part by a suitable binder.

| Type | Series | Wire Size |
|------|---------|-----------|
| H | BR | No 24 AWG |
| H | HR | No 22 AWG |
| H | SH, SHD | No 26 AWG |

14. Type H, Series, MEH, SH, SHD, SHL, SR, ASR, XA, XAD, XM, XR, CZ, RPZ, RWZ, SSR, SUR, BHL, BHS, BHT, PA, PAD, PAF, PAL, TS, TSD, VHJ, XH, PND and XM, Type V, Series DY and DV, Type B, Series PMZ, Type H and Z, Series ZM, CZH and Type JFA, have been verified withstanding pullout force between connector housing and a wire lead applying the value of Table 3 in CSA Std C22.2 No 182.3-M1987.

15. For Type B, Series PMZ, the applicable wire need to be solder dipped in the strands of stranded conductor.

16. For Type H, Series BH, rated 1500 V, Series BHT, reinforcements of header assembly shall not be electrically connected to ground circuit or a circuit that becomes user accessible in the end-product.

- Special use connectors, consisting of a housing pin and socket contacts, types 22-22 and 18-10, for stranded copper wire, Series CMS, rated 38 A, 500V and 20.4 A, 500V.

Notes:

1. These special use connectors are intended for ac or dc and not for interrupting current.
2. These are Certified only for supply to manufacturers for the assembly, as components of equipment where the suitability of the combination is determined in the end use.