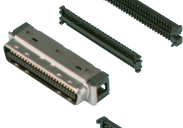


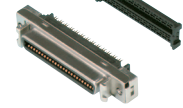
Information on Components Used

Connector / Hood

SHPT / SHPK / SHPF / SHPFJS / WSHPT / WSHPK / WSHF / BHHPT / ESHT / IHSK



| Connector | |
|------------------------|-----------------------|
| Manufacturer | Sumitomo 3M |
| Model Number | 101**-***0EL |
| Rated Current | 0.5A |
| Rated Voltage | 150 VAC |
| Click Here for Details | OP.83 |



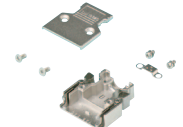
| Panel Mount Type Connector | |
|----------------------------|-----------------------|
| Manufacturer | Sumitomo 3M |
| Model Number | 102**-***0EL |
| Rated Current | 0.5A |
| Rated Voltage | 150 VAC |
| Click Here for Details | OP.84 |



| Angle Hood | |
|------------------|----------------|
| Manufacturer | Sumitomo 3M |
| Model Number | 103**-3540-0*0 |
| More Information | Not in Catalog |



| EMI Countermeasure Plastic Hood | |
|---------------------------------|-----------------------|
| Manufacturer | Sumitomo 3M |
| Model Number | 103**-3210-000 |
| More Information | OP.86 |



| EMI Countermeasure Die-cast Hood | |
|----------------------------------|-----------------------|
| Manufacturer | Sumitomo 3M |
| Model Number | 103**-C200-00 |
| More Information | OP.86 |

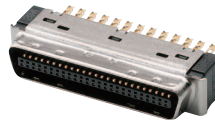


| Plastic Hood (40-core and 68-core are unavailable) Jack Screw Fixing | |
|--|-----------------------|
| Manufacturer | Sumitomo 3M |
| Model Number | 103**-52A0-008 |
| More Information | OP.85 |

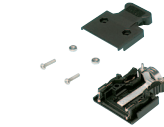


| Plastic Hood (40-core and 68-core are unavailable) One-touch Lock Fixing | |
|--|-----------------------|
| Manufacturer | Sumitomo 3M |
| Model Number | 103**-52F0-008 |
| More Information | OP.85 |

BHHPT / BHHPTJS



| Connector | |
|------------------|-----------------------|
| Manufacturer | Sumitomo 3M |
| Model Number | 101**-3000PE |
| Rated Current | 0.5A |
| Rated Voltage | 150 VAC |
| More Information | OP.83 |



| Plastic Hood | |
|------------------|-----------------------|
| Manufacturer | Sumitomo 3M |
| Model Number | 103**-52F0-008 |
| More Information | OP.85 |

Plastic Hood (40-core and 68-core are unavailable) Jack Screw Fixing

| Plastic Hood (40-core and 68-core are unavailable) Jack Screw Fixing | |
|--|-----------------------|
| Manufacturer | Sumitomo 3M |
| Model Number | 103**-52A0-008 |
| More Information | OP.85 |

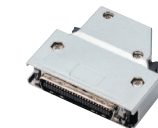
SHPM / SHPMJS



| Connector | |
|------------------|-----------------------|
| Manufacturer | Sumitomo 3M |
| Model Number | 10***-***0EL |
| Rated Current | 0.5A |
| Rated Voltage | 150 VAC |
| More Information | OP.83 |



| Hood (Straight) | |
|------------------|-----------------------|
| Manufacturer | Misumi |
| Model Number | MDR-***S |
| More Information | OP.87 |



| Hood (Angle) | |
|------------------|-----------------------|
| Manufacturer | Misumi |
| Model Number | MDR-***L |
| More Information | OP.87 |

GLIE



| MDR Connector (Pin) | |
|---------------------|---|
| Model Number | FMCIE**MA** |
| Rated Current | 1A |
| Rated Voltage | 500V |
| Manufacturer | Misumi |
| Remarks | Not currently available for sale in Japan |

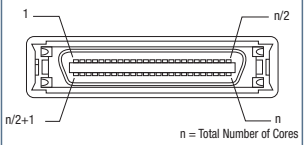
GLIE



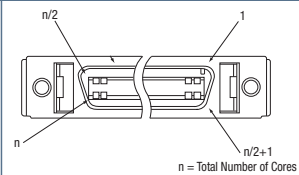
| MDR Shell | |
|---------------|---|
| Model Number | MPL**NK**ALS |
| Specification | EMI Protection |
| Materials | Nickel-plated Steel |
| Manufacturer | Misumi |
| Remarks | Not currently available for sale in Japan |

- Dsub Connector
- Included Cable
- MIL Socket Connector
- Included Cable
- FCN Connector
- Included Cable
- Connector Included Conversion/Branch Cable
- Centronics Connector
- Included Cable
- Cable with IEEE 1284 Half Pitch Connector
- MR Connector
- Included Cable
- PCR Half Pitch Connector
- Included Cable
- PCS Half Pitch Connector
- Included Cable
- HDR A / HDR Connector
- Included Cable
- DX31 Half Pitch Connector
- Included Cable
- 8840 Half Pitch Connector
- Included Cable
- Cable with Han Waterproof Connector

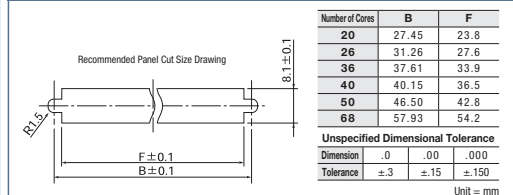
IEEE1284 Male Connector Contact Arrangement Diagram



IEEE1284 Female Connector Contact Arrangement Diagram



Panel Mount Connector Recommended Panel Cut Size



Crimp Terminal



| Y Type Crimp Terminals | |
|------------------------|------------------------------------|
| Manufacturer | Daido Solderless Terminal Mfg. Co. |
| Model Number | F0.3-3 Equivalent |
| Size | 3.2mm |
| Outer Width | 5.2mm |
| More Information | OP.468 |



| Round Type Crimp Terminals | |
|----------------------------|------------------------------------|
| Manufacturer | Daido Solderless Terminal Mfg. Co. |
| Model Number | 0.3-3 Equivalent |
| Size | 3.2mm |
| Outer Width | 5.2mm |
| More Information | OP.464 |




| Y Type Crimp Terminals | |
|------------------------|------------------------------------|
| Manufacturer | Daido Solderless Terminal Mfg. Co. |
| Model Number | F0.08-3 Equivalent |
| Size | 3.2mm |
| Outer Width | 5.2mm |
| More Information | OP.468 |

The Y type crimp terminals are for M3 screw terminal block. The crimp terminal used is changed according to the thickness of the cable used.

Information on Components Used


Multi-Core Cable

SB Cable




| | |
|-----------------------------------|-----------------------------|
| Manufacturer | Misumi |
| Model Number | SS30WS |
| Standard Acquired | AWM20276 |
| Rated Temperature | 0°C ~ 80°C |
| Flame Retardance | VW-1SC |
| Bending Radius mm (Fixed Parts) | Finished Outer Diameter x 8 |
| Bending Radius mm (Movable Parts) | — |
| More Information | OP.1339 |

A Cable



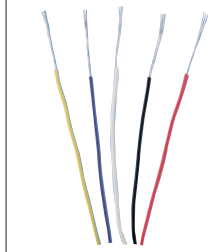
| | |
|-----------------------------------|------------------------------|
| Manufacturer | Misumi |
| Model Number | NA20276 |
| Standard Acquired | AWM20276 |
| Rated Temperature | 0°C ~ 80°C |
| Flame Retardance | — |
| Bending Radius mm (Fixed Parts) | Finished Outer Diameter x 10 |
| Bending Radius mm (Movable Parts) | — |
| More Information | OP.1335 |

*** When Selecting B Cable, WSHP**




| | |
|-----------------------------------|-----------------------------|
| Manufacturer | Misumi |
| Model Number | NA28WSH |
| Standard Acquired | AWM20276 |
| Rated Temperature | -10°C ~ 80°C |
| Flame Retardance | VW-1SL |
| Bending Radius mm (Fixed Parts) | Finished Outer Diameter x 8 |
| Bending Radius mm (Movable Parts) | — |
| More Information | OP.1338 |

Single-core Wire





| | |
|-----------------------------------|---|
| A, B, C, D, E, BA, BB Cables | |
| Manufacturer | — |
| Model Number | UL1007 Equivalent |
| Standard Acquired | AWM1007 |
| Rated Temperature | 0°C ~ 80°C |
| Flame Retardance | VW-1SL |
| Bending Radius mm (Fixed Parts) | — |
| Bending Radius mm (Movable Parts) | — |
| More Information (Reference) | OP.1375 (Similar Specifications) |

WA Cable



| | |
|-----------------------------------|------------------------------|
| Manufacturer | Misumi |
| Model Number | MAST-UL20276SB-28 |
| Standard Acquired | ULAWM20276 |
| Rated Temperature | 0 ~ 80°C |
| Flame Retardance | VW-1 |
| Bending Radius mm (Fixed Parts) | Finished Outer Diameter x 10 |
| Bending Radius mm (Movable Parts) | — |
| More Information | OP.1334 |

Ground Wire / Ground Terminal

| | |
|--|--------------------------------|
| Single-Core Wire for Ground (Common for All Model Numbers) | |
| Model Number | UL1007-16-GN Equivalent |
| Standard Acquired | UL1007 |
| Bending Radius | Finished Outer Diameter x 8 |

| | |
|---------------------------|---------------------------------|
| Crimp Terminal for Ground | |
| Model Number | RBA1.25-3.5RE Equivalent |
| Size | 3.7mm |
| Outer Width | 6.6mm |
| Rated Voltage | 300V |
| More Information | OP.472 |

Cable Finished Outer Diameter / Allowable Current Table

| | | Number of Cores | | | | | | | |
|------------|-------------|------------------------------|------|------|------|------|------|------|------|
| | | 14 | 20 | 26 | 36 | 40 | 50 | 68 | |
| Cable Type | SB | Finished Outer Diameter (mm) | 5.5 | 6.1 | 6.5 | 7.6 | 7.6 | 8.1 | 9.0 |
| | | Allowable Current (A) | 1.00 | 1.00 | 1.00 | 1.23 | 1.23 | 1.14 | 0.93 |
| | A | Finished Outer Diameter (mm) | 5.5 | 6.7 | 6.7 | 7.6 | 7.6 | 8.1 | 9.0 |
| | | Allowable Current (A) | 1.0 | 1.0 | 1.0 | 1.23 | 1.23 | 1.14 | 1.04 |
| | B | Finished Outer Diameter (mm) | | 6.1 | 6.9 | 7.3 | 8.2 | 8.2 | 10.5 |
| | | Allowable Current (A) | | 1.5 | 1.3 | 1.2 | 1.0 | 1.0 | 0.8 |
| | WA | Finished Outer Diameter (mm) | 5.5 | 6.0 | 6.7 | 7.6 | | 8.1 | |
| | | Allowable Current (A) | 0.9 | 0.9 | 0.7 | 0.6 | | 0.5 | |
| | Single Core | Finished Outer Diameter (mm) | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | Allowable Current (A) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |