

HARWIN S-Tek and Miniature Mix-Tek Connectors

HARWIN

RoHS Compliant This product is RoHS compliant.

DATAMATE S-TEK SHIELDED CONNECTORS

- For Shielding against EMI and RFI
- Cable to PCB or panel mount applications
- 30dBs of RF attenuation between 10kHz and 400MHz
- Tested in general accordance with MIL-STD-1377
- 3A per contact

- Materials:**
- Shell: Al Alloy, Ni plated
 - Tie Band: Stainless Steel
 - Hardware: Stainless Steel

- Tooling Requirements:**
- Crimp Tool M22520/2-01
 - Insertion Tool Z80-280
 - Female Contact Positioner T5747
 - S-Tek Male Crimp Positioner Z80-193
 - E Clip Installation Tool Z80-300



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Note: Connect to customer supplied shielded braid and terminated using industry standard tooling For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Harwin Part No. | Fig. | No. of Positions | Finish | Description | Price Each | | | |
|---------------------------------|-----------------|------|------------------|------------|-----------------|------------|-------|-------|-------|
| | | | | | | 1 | 10 | 25 | 50 |
| Male PC Tail | | | | | | | | | |
| 855-M80-5T10642B1 | M80-5T10642B1 | A | 6 | Gold + Tin | With Jackscrews | 42.67 | 41.14 | 40.38 | 39.72 |
| 855-M80-5T11042B1 | M80-5T11042B1 | A | 10 | Gold + Tin | With Jackscrews | 44.01 | 42.44 | 41.64 | 40.97 |
| 855-M80-5T11442B1 | M80-5T11442B1 | A | 14 | Gold + Tin | With Jackscrews | 45.62 | 44.00 | 43.17 | 42.47 |
| 855-M80-5T12042B1 | M80-5T12042B1 | A | 20 | Gold + Tin | With Jackscrews | 48.23 | 46.52 | 45.65 | 44.90 |
| 855-M80-5T12642B1 | M80-5T12642B1 | A | 26 | Gold + Tin | With Jackscrews | 50.83 | 49.03 | 48.11 | 47.32 |
| 855-M80-5T10605B1 | M80-5T10605B1 | A | 6 | Gold | With Jackscrews | 42.90 | 41.37 | 40.60 | 39.94 |
| 855-M80-5T11005B1 | M80-5T11005B1 | A | 10 | Gold | With Jackscrews | 44.39 | 42.80 | 42.01 | 41.32 |
| 855-M80-5T11405B1 | M80-5T11405B1 | A | 14 | Gold | With Jackscrews | 46.17 | 44.52 | 43.68 | 42.97 |
| 855-M80-5T12005B1 | M80-5T12005B1 | A | 20 | Gold | With Jackscrews | 49.00 | 47.25 | 46.37 | 45.61 |
| 855-M80-5T12605B1 | M80-5T12605B1 | A | 26 | Gold | With Jackscrews | 51.84 | 49.99 | 49.05 | 48.25 |
| Male, Small Bore Crimp | | | | | | | | | |
| 855-M80-5C10605B1 | M80-5C10605B1 | B | 6 | Gold | With Jackscrews | 41.33 | 39.85 | 39.11 | 38.47 |
| 855-M80-5C11005B1 | M80-5C11005B1 | B | 10 | Gold | With Jackscrews | 43.36 | 41.71 | 40.93 | 40.26 |
| 855-M80-5C11405B1 | M80-5C11405B1 | B | 14 | Gold | With Jackscrews | 45.50 | 43.87 | 43.06 | 42.36 |
| 855-M80-5C12005B1 | M80-5C12005B1 | B | 20 | Gold | With Jackscrews | 49.06 | 47.30 | 46.42 | 45.66 |
| 855-M80-5C12605B1 | M80-5C12605B1 | B | 26 | Gold | With Jackscrews | 52.78 | 50.89 | 49.94 | 49.13 |
| Female, Small Bore Crimp | | | | | | | | | |
| 855-M80-4C10605S1 | M80-4C10605S1 | C | 6 | Gold | With Jackscrews | 75.33 | 72.64 | 71.27 | 70.11 |
| 855-M80-4C11005S1 | M80-4C11005S1 | C | 10 | Gold | With Jackscrews | 80.39 | 77.51 | 76.06 | 74.82 |
| 855-M80-4C11405S1 | M80-4C11405S1 | C | 14 | Gold | With Jackscrews | 85.64 | 82.58 | 81.02 | 79.70 |
| 855-M80-4C12005S1 | M80-4C12005S1 | C | 20 | Gold | With Jackscrews | 94.11 | 90.74 | 89.04 | 87.59 |
| 855-M80-4C12605S1 | M80-4C12605S1 | C | 26 | Gold | With Jackscrews | 100.45 | 96.86 | 95.04 | 93.49 |

TOOLS

| MOUSER STOCK NO. | Harwin Part No. | Description | Price Each |
|------------------|-----------------|-----------------------|------------|
| 855-Z80-300 | Z80-300 | E-Clip Tool | 64.01 |
| 855-Z80-193 | Z80-193 | Male Crimp Positioner | 96.16 |

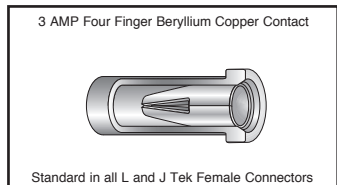
Harwin Rectangular Connectors

DATAMATE MIX-TEK 2MM CONNECTORS WITH 20 AMP POWER AND SIGNAL CONTACTS FOR WIRE TO BOARD APPLICATIONS

- Professional Connector System at commercial prices
- Ideal for COTS applications
- Proven History in MIL/Aero applications
- Available in a variety of positions not shown

Features:

- Power and Signal contacts in one connector
- Power – 20A - Female Solder (12AWG)
 - Male PC Tail (3.5mm)
- Signal – 3A - Female Crimp (24-28AWG)
 - Male PC Tail (3.0mm)
- Polarized
- Jackscrew Hardware
- Temp: -55°C to +125°C
- Endurance 500 Cycles
- 6GHz Coax option available
- All contacts and pins are gold plated



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For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Harwin Part No. | Fig. | Gender | Description | Applications | Price Each | | | |
|--------------------------------------|-----------------------------|------|--------|---------------------|--------------|------------|-------|-------|-------|
| | | | | | | 1 | 10 | 25 | 50 |
| Mix-Tek with 2 Power Contacts | | | | | | | | | |
| 855-M80400000F12325 | M80-4000000F1-02-325-00-000 | D | Female | 2 Power + 0 Signal | Wire Term. | 13.13 | 12.84 | 12.54 | 12.25 |
| 855-M80500000M12331 | M80-5000000M1-02-331-00-000 | E | Male | 2 Power + 0 Signal | Board Mount | 12.38 | 11.96 | 11.50 | 11.13 |
| 855-M804C10205F12325 | M80-4C10205F1-02-325-00-000 | F | Female | 2 Power + 2 Signal | Wire Term. | 20.98 | 19.93 | 18.88 | 17.83 |
| 855-M805T10205M12331 | M80-5T10205M1-02-331-00-000 | G | Male | 2 Power + 2 Signal | Board Mount | 12.93 | 12.49 | 12.00 | 11.63 |
| 855-M804C10405F12325 | M80-4C10405F1-02-325-00-000 | F | Female | 2 Power + 4 Signal | Wire Term. | 22.06 | 20.96 | 19.85 | 18.75 |
| 855-M805T10405M12331 | M80-5T10405M1-02-331-00-000 | G | Male | 2 Power + 4 Signal | Board Mount | 13.49 | 13.03 | 12.67 | 12.13 |
| 855-M804C10605F12325 | M80-4C10605F1-02-325-00-000 | F | Female | 2 Power + 6 Signal | Wire Term. | 23.34 | 22.17 | 21.01 | 19.84 |
| 855-M805T10605M12331 | M80-5T10605M1-02-331-00-000 | G | Male | 2 Power + 6 Signal | Board Mount | 14.07 | 13.60 | 13.00 | 12.66 |
| 855-M804C10805F12325 | M80-4C10805F1-02-325-00-000 | F | Female | 2 Power + 8 Signal | Wire Term. | 24.50 | 23.28 | 22.05 | 20.83 |
| 855-M805T10805M12331 | M80-5T10805M1-02-331-00-000 | G | Male | 2 Power + 8 Signal | Board Mount | 14.64 | 14.15 | 13.55 | 13.17 |
| 855-M805T11205M12331 | M80-5T11205M1-02-331-00-000 | G | Male | 2 Power + 12 Signal | Board Mount | 15.88 | 15.25 | 14.72 | 14.29 |
| Mix-Tek with 4 Power Contacts | | | | | | | | | |
| 855-M80400000F104325 | M80-4000000F1-04-325-00-000 | H | Female | 4 Power + 0 Signal | Wire Term. | 29.62 | 28.14 | 26.66 | 25.18 |
| 855-M80500000M104331 | M80-5000000M1-04-331-00-000 | I | Male | 4 Power + 0 Signal | Board Mount | 27.88 | 26.49 | 25.09 | 23.70 |
| 855-M804C10205F14325 | M80-4C10205F1-04-325-00-000 | J | Female | 4 Power + 2 Signal | Wire Term. | 30.86 | 29.32 | 27.77 | 26.23 |
| 855-M805T10205M14331 | M80-5T10205M1-04-331-00-000 | K | Male | 4 Power + 2 Signal | Board Mount | 21.85 | 21.11 | 20.28 | 19.65 |
| 855-M804C10405F14325 | M80-4C10405F1-04-325-00-000 | J | Female | 4 Power + 4 Signal | Wire Term. | 34.14 | 32.43 | 30.73 | 29.02 |
| 855-M805T10405M14331 | M80-5T10405M1-04-331-00-000 | K | Male | 4 Power + 4 Signal | Board Mount | 22.78 | 22.01 | 21.14 | 20.50 |
| 855-M804C10605F14325 | M80-4C10605F1-04-325-00-000 | J | Female | 4 Power + 6 Signal | Wire Term. | 33.26 | 31.59 | 29.92 | 28.76 |
| 855-M805T10605M14331 | M80-5T10605M1-04-331-00-000 | K | Male | 4 Power + 6 Signal | Board Mount | 23.77 | 22.96 | 22.05 | 21.39 |
| 855-M804C10805F14325 | M80-4C10805F1-04-325-00-000 | J | Female | 4 Power + 8 Signal | Wire Term. | 34.44 | 32.72 | 31.00 | 29.27 |
| 855-M805T10805M14331 | M80-5T10805M1-04-331-00-000 | K | Male | 4 Power + 8 Signal | Board Mount | 24.73 | 23.85 | 22.91 | 22.26 |
| 855-M804C11205F14325 | M80-4C11205F1-04-325-00-000 | J | Female | 4 Power + 12 Signal | Wire Term. | 36.82 | 34.95 | 33.14 | 31.30 |
| 855-M805T11205M14331 | M80-5T11205M1-04-331-00-000 | K | Male | 4 Power + 12 Signal | Board Mount | 26.85 | 25.89 | 24.89 | 24.16 |

