

Shielded Cable Assemblies

EMI Pigtails

MIL-STD-83513 Cable Assemblies

Cinch DURA-CON D-shaped micro miniature rectangular connectors are designed for applications that require a rugged, high performance, densely compacted interconnect. DURA-CON is the ideal connector for applications where weight and space must be kept to a minimum while maintaining maximum reliability.

Reliability is assured with the unique twist pin providing 7 points of contact when mated. Qualified (QPL) to MIL-DTL-83513, micro-D DURA-CON are one of the most widely used 0.05in (1.27mm) pitch connectors. Typical applications for these connectors are miniaturized military and aerospace electronics and data processing equipment, where shorter signal paths are needed



Features

- MIL-DTL-83513
- 78 ohm twinax cable
- 50 and 75 ohm triax cable
- 50 and 75 ohm triax cable

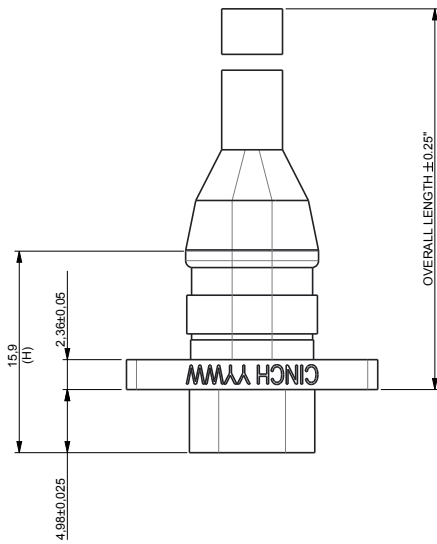
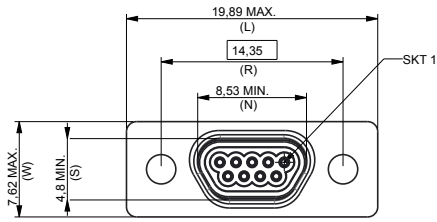
Materials

Connector Shell	ASTM Alloy< SAE-AMS-QQ-A-250. Cadmium per SAE-AMS-QQ-P-416. Electroless Nickel per SAE-AMS-C-26074. Gold per MIL-G-45204
Contact (Male Pins)	Copper Alloy. Gold per MIL-DTL-45204, Type 1
Contact (Female Sockets)	Copper Alloy. Gold per MIL-DTL-45204, Type 1
Insulator	PBT< per MIL-M-24519 or >DAP< PER ASTM-D5948
Hardware	303SS< Passivate Dip per SAE-AMS-QQ-P-35
Interfacial Gasket	FVMQ< per MIL-R-25988 or >PMQ< PER ZZ-R-765
Dustcap	LDPE< or anti-static >HDPE<
Wire	See sales code nomenclature

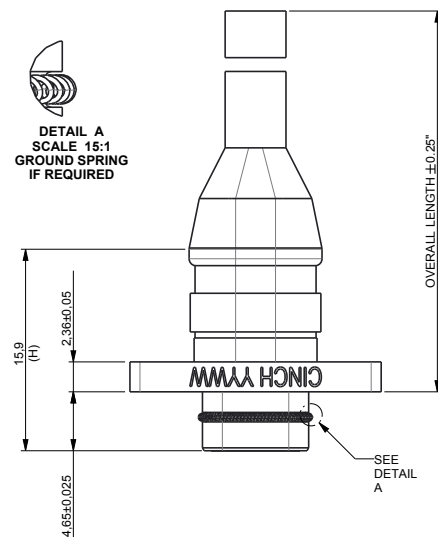
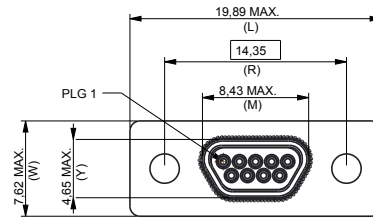
Electrical

Current Rating	3 AMP MAX
Temperature Rating	-55 °C TO +135 °C
Insulation Resistance	5000 mΩ min
DWV at Seal Level	600 Vac
DWV 70,000 feet Altitude	150 Vac
Contact Resistance	8 mΩ max

Socket Connector



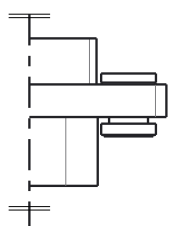
Plug Connector



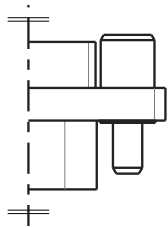
DETAIL A
SCALE 15:1
GROUND SPRING
IF REQUIRED

SEE
DETAIL
A

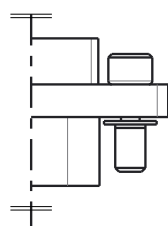
Hardware



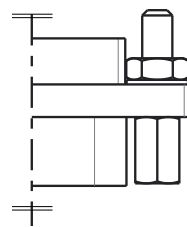
Float Mount
(Front Panel Mount)



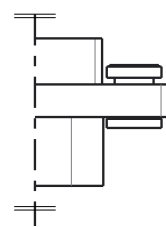
Hexhead Jackscrew
(Non-Removeable)



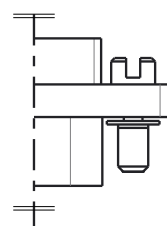
Hexhead Jackscrew
with Circlip



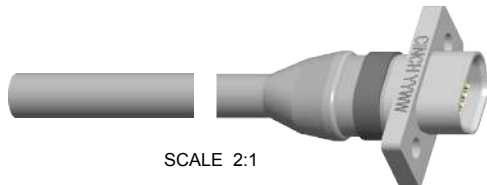
Jackpost



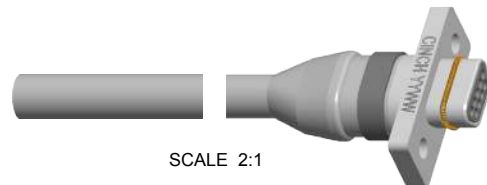
Float Mount
(Rear Panel Mount)



Jackscrew Slot Head
with Circlip



SCALE 2:1



SCALE 2:1

Ordering Information

