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Introducing
CeeLok Fas-T Connector
10 GBASE-T connector

te.com/ADM

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CeeLok Fas-T Connector

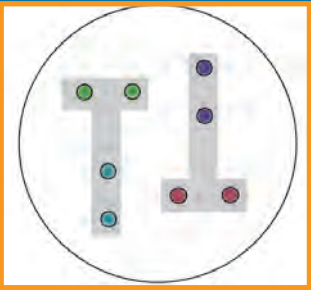
KEY FEATURES

Accommodates size 8 shell for weight and space savings

10 Gbit-Ethernet - Cat 6A or Cat 7 wire

1 Gbit-Ethernet - Cat 5e

Crimp-snap, 39029-style contacts for easy termination and field repairability



T-shaped pin pattern improves SI through uniform crosstalk cancellation

Backshell integrated in plug body provides low profile, low cost, low weight strain relief & EMI protection

Compatible with multiple braid terminations, adaptor styles and seal boots

Insert assembly mechanically retained for ≥25 lb. retention force

Scoop-proof design



Optional nickel plate shown in this photo

CeeLok Fas-T Connector

DESCRIPTION

Small, rugged connector designed for 10 GBASE-T or other 100 Ohm applications

Field repairable crimp-snap contacts

38999 Style, size 8 shell

APPLICATIONS

10 GBASE-T Ethernet data transmission in harsh aerospace and defense environments

Cat 6A or Cat 7 compatible for 10 Gbit-Ethernet

Cat 5e compatible for 1 Gbit-Ethernet

Military applications include:
Soldier worn devices, Missiles, Rotary Wing, C4I, Ground Vehicles, Fixed Wing Aircraft and Shipboard

Commercial Aerospace applications include:
IFE, Avionics

ELECTRICAL

10 Gbit-Ethernet Cat 6a or Cat 7 wire

1 Gbit-Ethernet Cat 5e

Electrical performance specifications:

- Insulation resistance: 500 mega-ohms ambient, 1000 Mega-ohms at 175°C
- Dielectric withstanding voltage: 500 VAC sea level, 100 VAC @ 50,000 ft.
- Shielding effectiveness per MIL-DTL-38999
- Shell to shell conductivity - 2mV max.

MECHANICAL

Performance Specifications:

- Vibration, Sine: MIL-STD-202, Condition G (30G)
- Vibration, Random: EIA-364-28 Condition V Letter J (37.8G)
- Durability: 500 mating cycles
- Contact Retention: 10 lb. min.
- Coupling Torque: 8 in-lb. max.

MATERIALS

Shell: Aluminum alloy for lightweight, rugged performance

Insert: High temperature thermoplastic for excellent temperature endurance. Low dielectric constant for superior signal integrity.

Contacts: Copper alloy

STANDARDS & SPECS

Product Spec: 108-2482

APPLICATION TOOLING

Crimp tool PN: M22520/2-01

PHYSICAL OR OTHER PROPERTIES

Operating Temperature: -65°C to +175°C

Altitude Immersion: 50,000 ft. (mated condition)

Unmated Condition: IP 67

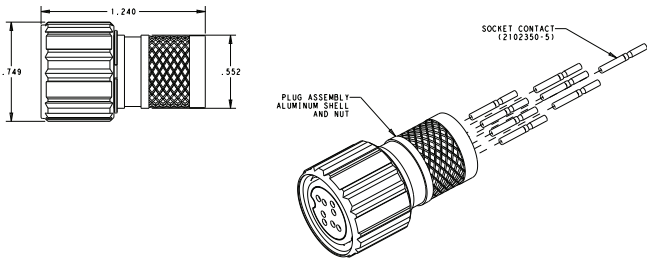
Shells available in Electroless Nickel or Black Zinc Nickel for DOD-Approved, RoHS compliant, corrosion resistance (500 hr Salt Mist)

ORDERING INFORMATION

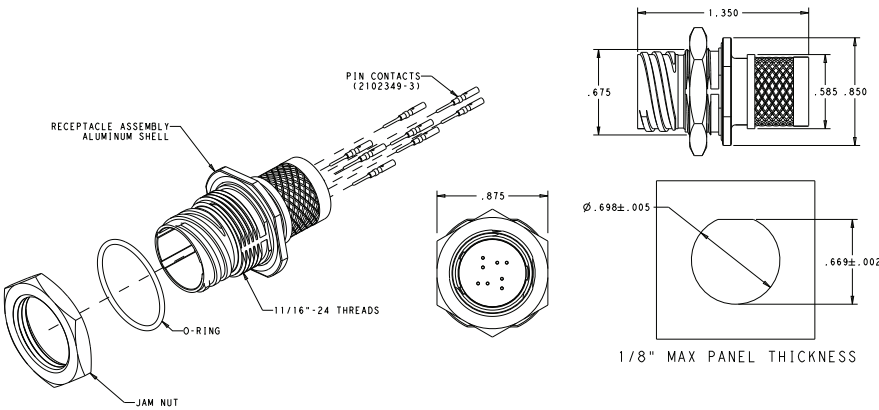
Nickel Plate:		Black Zinc Nickel:	
Plug	2102353-1	Plug	2102353-2
Receptacle	2102352-1	Receptacle	2102352-2
PC Tail Receptacle	2102351-1	PC Tail Receptacle	2102351-2

PRODUCT DIMENSIONS

Plug Kit Assembly



Receptacle Kit Assembly



PC Tail Assembly

