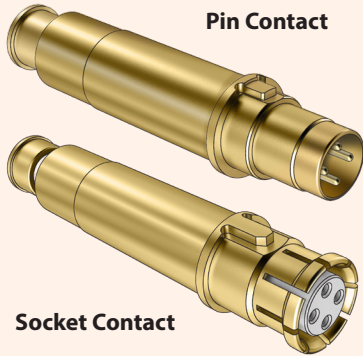


### Size 8 Quadrax Contacts



Quadrax contacts are used for 100 Mbit/s Ethernet protocols including 100BASE-TX and ARINC 664. Crimp termination. Compatible with SAE AS6070/1 and other aerospace-grade quad data cable. Supplied as unassembled kit with sealing boot and instruction sheet. Contacts snap into connector body and are removable with plastic tool purchased separately.

#### Ordering Information: Size #8 Quadrax Contacts

Wire Size (AWG)	Ref Cable Dia.	Cable Part Number	Pin Contact	Socket Contact
24	.160 (4.06)	AS6070/1 (SAE) E51424 (PIC) GSC-03-84608-00 (W L Gore) NF24Q100-01 (Carlisle)	<b>854-047-02F</b>	<b>854-048-02F</b>
24	.175 (4.45)	F 4704-4 (Draka) E50424 (PIC)	<b>854-047-04F</b>	<b>854-048-04F</b>
26	.137 (3.48)	NF26Q100-01 (Carlisle) E51426 (PIC)	<b>854-047-01F</b>	<b>854-048-01F</b>

#### Technical Data

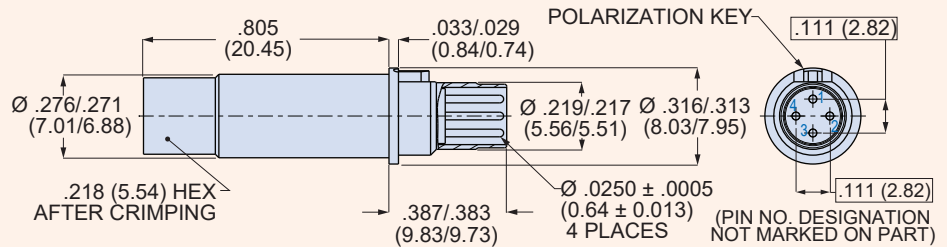
##### Specifications

- Operating temperature: -65° to +175°C
- Operating frequency: DC – 3 GHz
- Characteristic Impedance: 100 ±10 ohms
- Dielectric withstanding voltage, inner to inner contact: 1000 Vrms sea level, 250 Vrms 70,000 feet.
- Dielectric withstanding voltage, inner to outer contact: 500 Vrms sea level, 250 Vrms 70,000 feet.
- Contact resistance, inner contacts: 55 millivolt max. voltage drop @ 1 ampere
- Contact resistance, outer body: 75 millivolt max. voltage drop @ 12A
- Insulation resistance: 5000 megohms min.
- Durability: 500 mating cycles

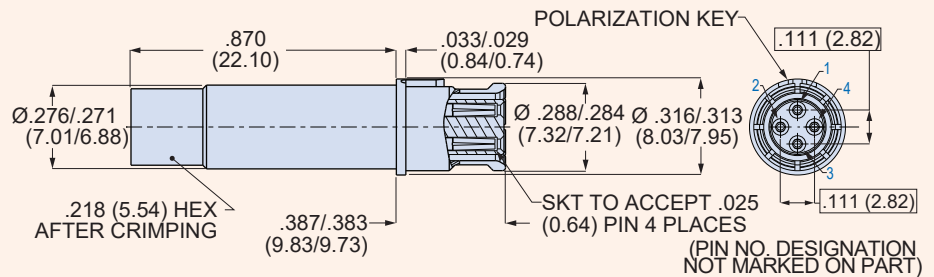
##### Construction

- Inner contacts, outer body: copper alloy, 50 microinches gold over nickel plating
- Crimp ferrule: copper alloy, 50 microinches gold over nickel plating
- Insulators: thermoplastic
- Sealing boot: fluorosilicone rubber, glass-filled thermoplastic

#### Pin Contact 854-047



#### Socket Contact 854-048



#### Crimp Tool for Inner Contacts

##### Mil Spec Hand Tool



##### Positioner for Hand Tool



#### Hex Crimp Tool for Outer Body

##### Tool



##### Hex Die Set



#### Removal Tool



#### Sealing Boot

Sealing boots are supplied with contacts. To order contacts without sealing boots, delete the "F" suffix from the part number

