

SERIES 28 HiPer-D® Contacts and Tools



#20 crimp contacts for standard HiPer-D® connectors

#20 CRIMP CONTACTS



Fig. 1
Pin Contact



Fig. 2
Socket Contact

Material and Finish

Copper alloy, 50-100 microinches gold plated per ASTM B488 Type II Code C Class 1,27 over nickel plate per QQ-N-290 Class 2, 50-150 microinches.

Socket contact hood: 305 CRES, passivated.

Specifications

AWG Wire Accommodation: #20 - #24

Current Rating: 7.5 Amps maximum

Voltage Drop (at 7.5 Amps and 25° C, #20AWG silver-plated wire):
55 millivolts maximum

Temperature Range: -65° to +200° C.

Socket Min. Separation Force: 0.7 ounces

See SAE AS39029 for additional electrical, mechanical and environmental specifications.

Crimp Tools and Insertion/Removal Tools

Crimper: 809-015 (M22520/2-01)

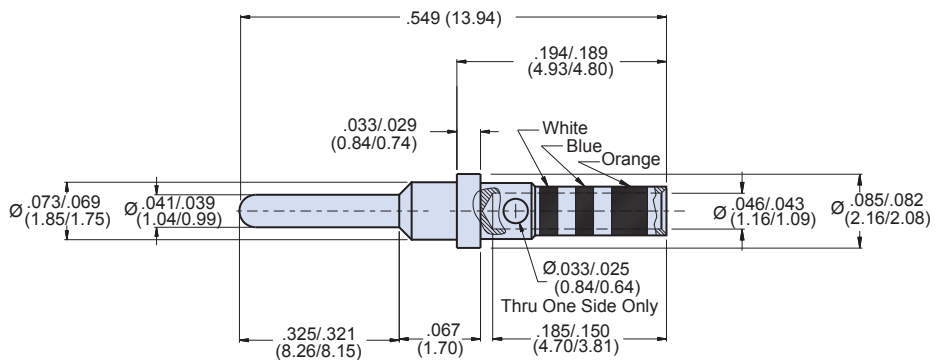
Positioner: 859-016 (M22520/2-08)

Insertion/Removal Tool: 859-017

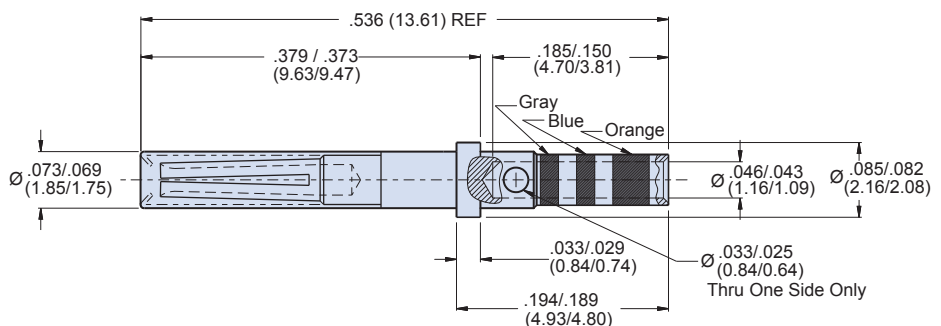
(M81969/39-01)

#20 contacts accept #20 to #24 AWG wire. These gold-plated copper alloy contacts meet the requirements of SAE AS39029. Use with all Series 28 HiPer-D® crimp connectors with size #20 cavities.

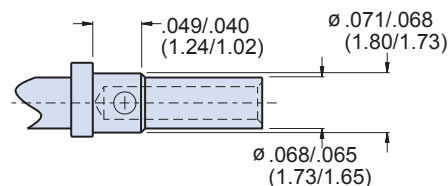
Contact Type	Fig.	Wire Size	Part Number	M39029 Part Number
Pin	1	#20-24	850-022-20-369	M39029/64-369
Socket	2	#20-24	850-021-20-368	M39029/63-368



Pin Contact



Socket Contact



Pin and Socket Crimp Barrel Dimensions

Crimp Tensile Strength		
Axial load in minimum pounds.		
Wire Gage	Silver or Tin Coated Copper Wire	Nickel Coated Copper Wire
#20	20	19
#22	12	8
#24	8	6