

CS-SF-MSC Datasheet



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DiGi Electronics Part Number	CS-SF-MSC-DG
Manufacturer	Crystek Corporation
Manufacturer Product Number	CS-SF-MSC
Description	CONN SMA JACK STR SOLDER
Detailed Description	SMA Connector Jack, Female Socket Free Hanging (In-Line) Solder

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Purchase and inquiry

Manufacturer Product Number:

CS-SF-MSC

Series:

-

Connector Style:

SMA

Contact Termination:

Solder

Impedance:

-

Mounting Feature:

-

Fastening Type:

Threaded

Features:

-

Ingress Protection:

-

Includes:

-

Body Finish:

-

Dielectric Material:

Polytetrafluoroethylene (PTFE)

Mating Cycles:

-

Base Product Number:

-

Manufacturer:

Crystek Corporation

Product Status:

Obsolete

Connector Type:

Jack, Female Socket

Shield Termination:

Clamp

Mounting Type:

Free Hanging (In-Line)

Cable Group:

Semflex HP190

Number of Ports:

1

Housing Color:

Silver

Center Contact Material:

Beryllium Copper

Body Material:

Stainless Steel

Center Contact Plating:

Gold

Operating Temperature:

-

Insertion Loss:

-

Environmental & Export classification

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

REACH Status:

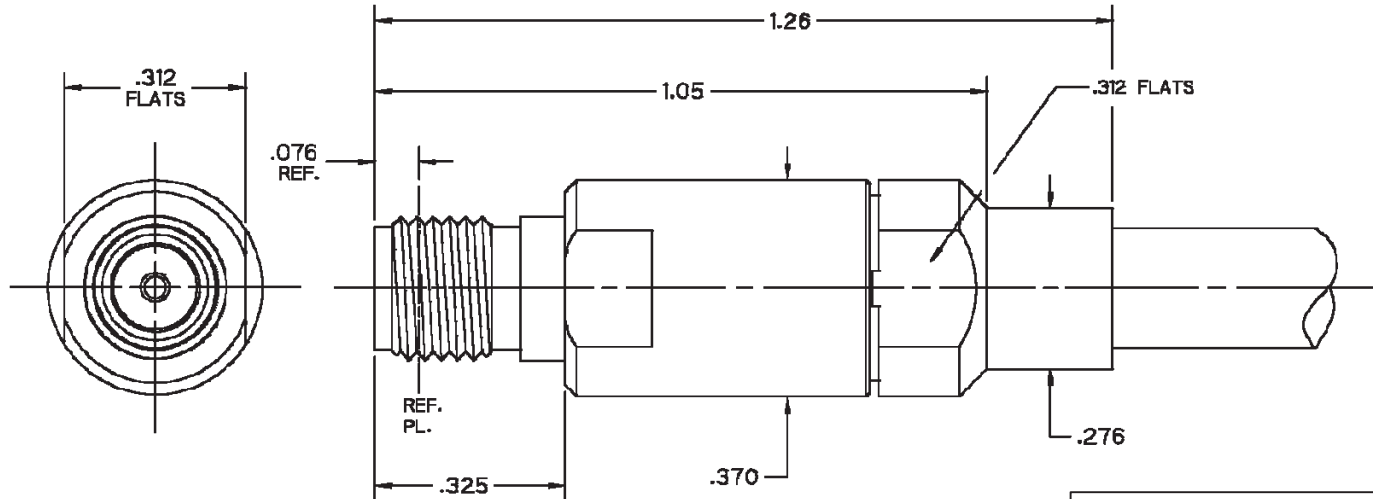
REACH Unaffected

HTSUS:

8536.69.4010



SMA Jack, Solder Clamp for Semflex HP190 Cable



NOTE: Distance from end of cable center conductor to Ref. Pl. is 0.325

NOTES:

1.0 Materials

- 1.1 Body and Clamp Nut: Steel. Corrosion Resistant per ASTM-A582. UNS No. S30300.
- 1.2 Center Conductor: Beryllium Copper per ASTM-B196. UNS C17300.
- 1.3 Solder Ferrule: Brass per ASTM-B16. UNS C36000.
- 1.4 O-Ring: Silicone Rubber per A-A-59588.
- 1.5 Insulator: PTFE Fluorocarbon per ASTM-D1710.
- 1.6 Dielectric Stop: Polyetherimide Thermoplastic (ULTEM 1000) per ASTM-D5205.

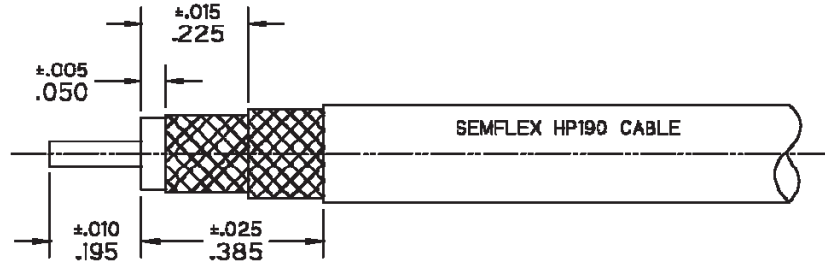
2.0 Finishes

- 2.1 Center Contact and Solder Ferrule: Gold Plate per ASTM-B488 50 Microinches Min. thickness over Electrolytic Nickel Plate per ASTM-B689 50 Microinches Min. thickness.
- 2.2 Body and Clamp Nuts: Passivated per SAE-AMS-2700.
- 2.3 O-Ring and Dielectrics: None.

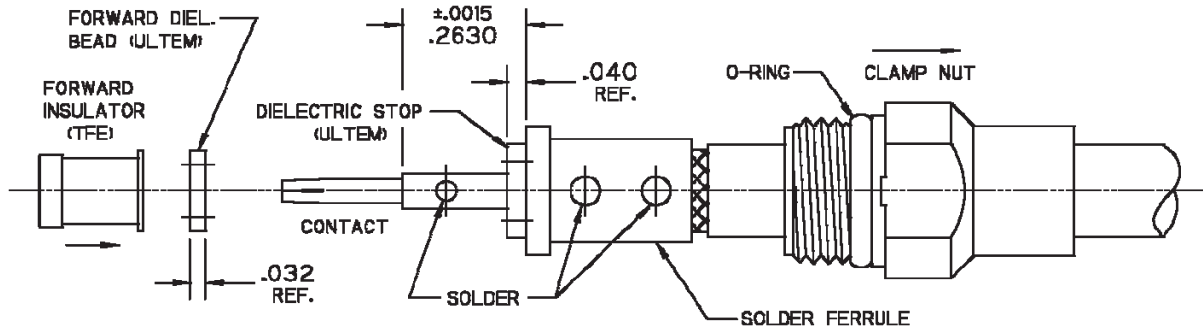
3.0 Interface: per Crystek Interface Specification CC-SMAJ.



SMA Jack, Solder Clamp for Semflex HP190 Cable

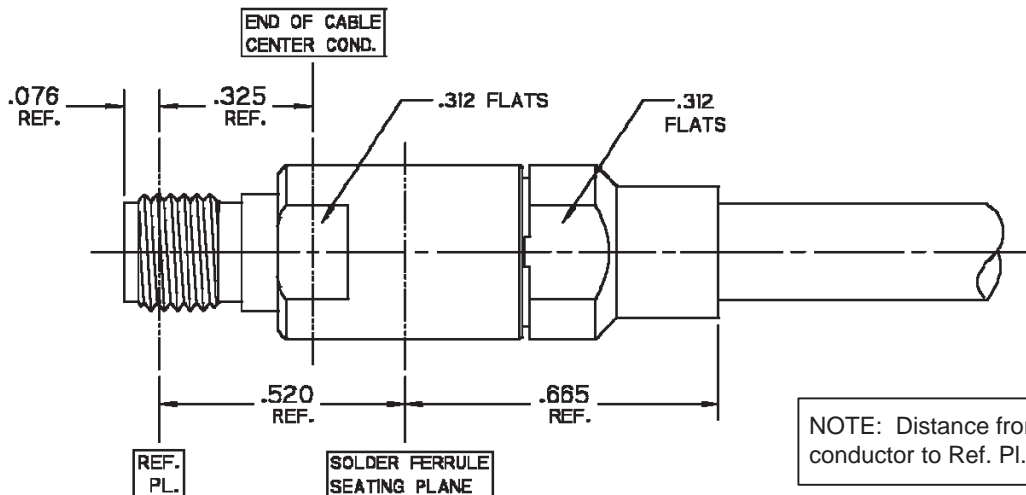


Step 1 1.1 Trim Cable as shown.



- 2.1 Slide clamp nut over cable as shown.
- 2.2 Solder cable to solder ferrule with dielectric flush with face of ferrule.
- 2.3 Slide dielectric stop (Ø 0.200 OD) over cable center conductor and solder contact flush to stop to dimension shown.
- 2.4 Slide forward insulator and dielectric bead (Ø 0.173 OD) onto contact.

Step 2 2.4 Slide forward insulator and dielectric bead (Ø 0.173 OD) onto contact.



3.1 Insert cable/contact sub-assembly into connector until seated and tighten clamp nut to 25-35 in-lbs.

Step 3

Product Control:			
Crystek Part Number:	CS-SF-MSC	Release Date:	04-Jan-11
Revision Level:	A	Responsible:	K. Piotrowicz

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