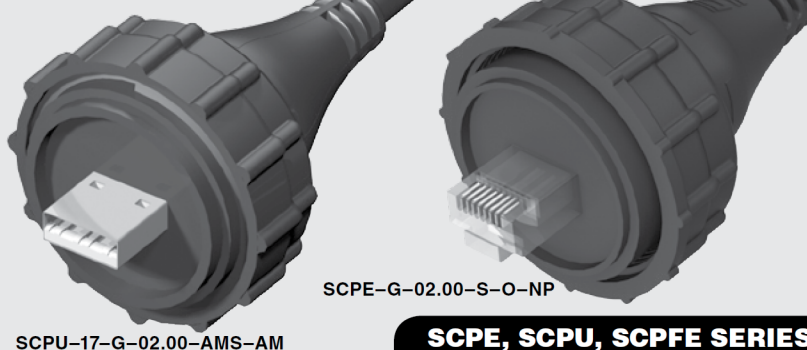




ACCLIMATE™



SCPE, SCPU, SCPFE SERIES

IP68 SEALED USB & ETHERNET PLUGS

Mates with:
SCRES

SPECIFICATIONS

For complete specifications see www.samtec.com?SCPE

Insulator Material: Polycarbonate
Contact Material: Phosphor Bronze
Shield Material: Phosphor Bronze
Wire: 24 AWG

Overmold: PA66 GF13 FR
Current Rating: 3.8 A per pin (1 pin powered)
Operating Temp Range: -40 °C to +70 °C
RoHS Compliant: Yes

DUST CAP

- DCA-17-02
Contact Samtec.

Note: Some lengths, styles and options are non-standard, non-returnable.

TYPE	PLATING	WIRE LENGTH	END OPTION	O	NP
SCPE = Sealed Circular Ethernet Cable Plug	-G = 50 μ" (1.27 μm) Gold on Contact, Nickel on Shell	-01.00 = (1 m) 39" Cable -02.00 = (2 m) 79" Cable Standard lengths	-D = Double Ended (Both Ends Sealed) -S = Single Ended (End No. 1 Sealed)	-O = Outdoor Rated	-NP = Cat 5e (No polarization mates with SCRES -C5E)

FIELD TERMINATION KIT

- Ethernet Field Termination Kit available for long cable run and small-opening applications so housings can be customer-installed after the runs are complete.
 - SCPFE-17-G-01 Series (For cable outside diameter range of 5.00-5.75 mm)
 - SCPFE-17-G-02 Series (For cable outside diameter range of 5.75-6.50 mm)
- Call Samtec.

ALSO AVAILABLE (MOQ Required)

- Other wire lengths
Contact Samtec.

Mates with:
SCRUS

SPECIFICATIONS

For complete specifications see www.samtec.com?SCPU

Insulator Material: Glass Filled Thermoplastic
Contact Material: Copper Alloy
Shield Material: CRS
Wire: 20 AWG (Power), 25 AWG (Signal), 28 AWG (Drain)
Sealed Overmold: PA66 GF13 FR
Operating Temp Range: -20 °C to +75 °C
RoHS Compliant: Yes

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



Note: Some lengths, styles and options are non-standard, non-returnable.

SCPU	SHELL SIZE	PLATING	WIRE LENGTH	END 1 OPTION	END 2 OPTION
-17 (Standard USB only) -10 (Mini USB only)	-G = 30 μ" (0.76 μm) Gold on Contact, Nickel on Shell	-01.00 = (1 m) 40" Cable -02.00 = (2 m) 79" Cable Standard lengths (Assembled Length = Wire Length + (19.5 mm) .77")	-AMS = USB A Type, Sealed -BMS = USB B Type, Sealed -MBS = Mini USB B Type, Sealed (-10 only)	MBS = Mini USB B Type, Sealed (-10 only) -AM = USB A Type, Not Sealed	ALSO AVAILABLE (MOQ Required) • Other wire lengths • Other end options Contact Samtec.

DUST CAPS & PANEL PLUG

- Dust Caps: DCA-17-01 or DCA-10-01
- Panel Plug: SCPPA-17-01
Contact Samtec.

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.TOBY.CO.UK

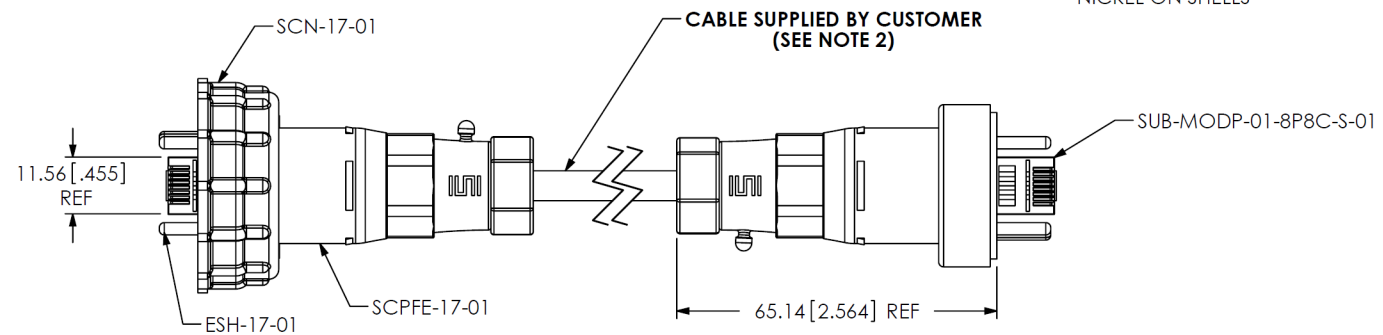
All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

DO NOT SCALE FROM THIS PRINT

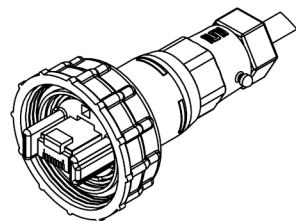
DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]

SCPFE-XX-X-XX-XX

SIZE -17
 PLATING SPECIFICATION -G: .000050" GOLD ON CONTACT AREAS, NICKEL ON SHELLS
 POLARIZATION OPTION -NP: NO POLARIZATION (ONLY MATES WITH SCRES-X-XX.XX-XX-C5E)
 STYLE -01: FOR CABLE OD RANGE OF 5.00-5.75MM (SEE TABLE 3)
 -02: FOR CABLE OD RANGE OF 5.75-6.50MM (SEE TABLE 3)



(EXPLODED VIEW SHOWN ON SHEET 2)



SCPFE-17-G-XX

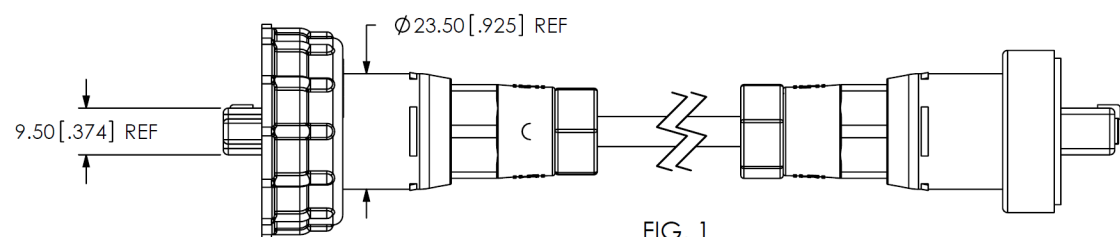


FIG. 1
 SCPFE-17-G-XX SHOWN
 (SEE FIG. 2 ON SHEET 2 FOR EXPLODED VIEW)

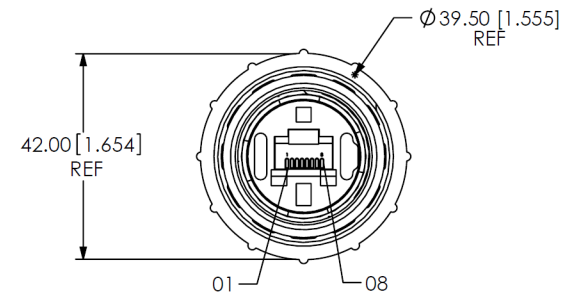


TABLE 1: BOM			
PART NUMBER	ITEM	MATERIAL	QTY
SCN-17-01	PANEL MOUNT NUT	NYLON	1
SUB-MODP-01-8P8C-S-01	ETHERNET PLUG	RJ45	1
SCN-17-02	CABLE NUT	NYLON	1
SCN-17-03	ETHERNET NUT	NYLON	1
ESH-17-XX	ETHERNET SHROUD	NYLON	1
SCPFE-17-01	HOUSING	NYLON	1
NCC-17-01	COMPRESSION CAGE	NYLON	1
SG-17-XX (SEE TABLE 3)	SEALING GLAND	NEOPRENE	1
SCPFE-TOOL-01	ETHERNET TOOL	ABS	1
ITEM DELETED			



TABLE 3		
STYLE	COLOR	SG-17-XX
-01	YELLOW	SG-17-01
-02	ORANGE	SG-17-02

NOTES:

1. RECOMMENDED CABLE SHOULD BE CAT5E W/ A CABLE DIAMETER RANGE OF 5.0-6.5MM.
2. KIT TO BE SHIPPED IN HEAT-SEALED, PINK POLY BAGS. SEE TABLE 1 FOR BILL OF MATERIALS
3. TORQUE SPECIFICATION FOR SCN-17-01 IS 12 IN-LBS.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MM.
 TOLERANCES ARE:
 DECIMALS ANGLES
 .X: ±.25[.01] 2°
 .XX: ±.08[.003]
 .XXX: ±.050[.002]

PROPRIETARY NOTE
 THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
 SEALED CIRCULAR CABLE PLUG, FIELD TERMINATED ETHERNET
 DWG. NO.
SCPFE-XX-X-XX-XX
 BY: B.HARPEAU 3/29/2006 SHEET 1 OF 2

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
 (SEE TABLE 1)
 F:\DWG\MISC\MKTG\SCPFE-XX-X-XX-MKT.SLDDRW