



**THE DATASHEET OF
FCF8-10-01-L-108.0-S-1**



DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]

Pb THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

FCF8-XX-XX-X-XX.XX-S-X

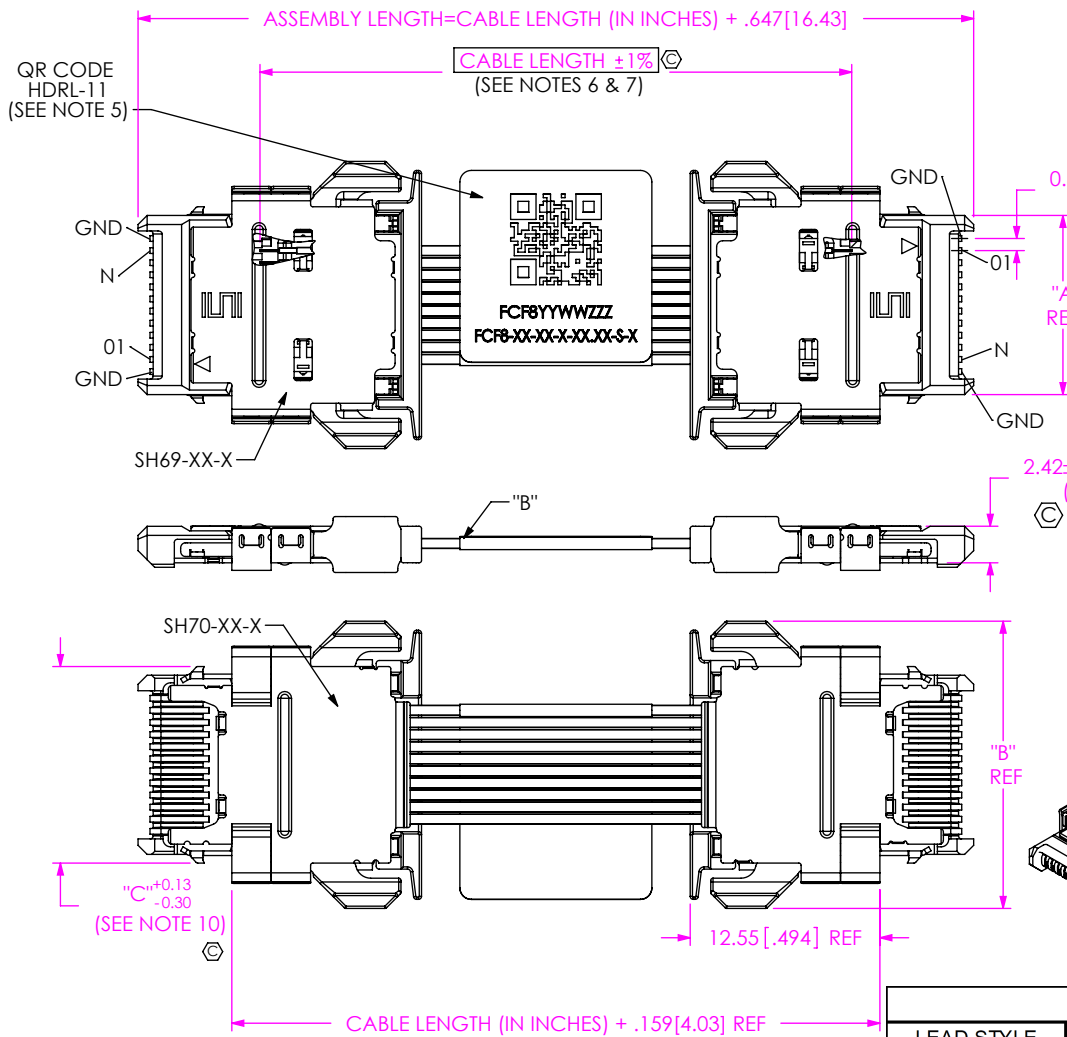


FIG 1 FCF8-10-01-X-XX.XX-S SHOWN

No OF POSITIONS
 *-05, -10, *-15, -20
 *-25, -30, *-35, *-40

LEAD STYLE
 *-01: 38 AWG COAX
 *-02: 34 AWG TWINAX
 *-03: 32 AWG POWER

* = NOT TOOLED

WIRING OPTION
 -1: 1 TO 1 (SEE FIG. 2)
 (LEAVE BLANK FOR 1 TO N)
 ROW SPECIFICATION
 -S: SINGLE ROW

CABLE LENGTH (IN INCHES)
 -XX.XX: 03.00 [76.2] MIN
 (SEE NOTE 6)

PLATING SPECIFICATION
 -L: 10µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

TO DISENGAGE CABLE FROM SOCKET:
 FIRST, FULLY SEAT CONNECTOR
 SECOND, FULLY DEPRESS LATCH RELEASE
 THIRD, PULL STRAIGHT BACK WITH LATCH RELEASE DEPRESSED

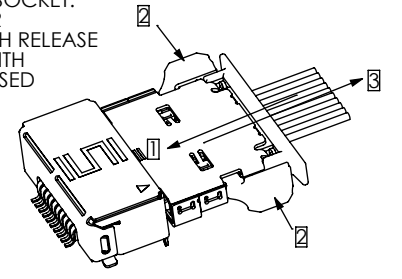


FIG 2 FCF8-10-01-X-XX.XX-S-1 SHOWN

TABLE 4
 SIGNAL MAPPING
 FCF8-XX-XX-X-XX.XX-S
 WIRING OPTION

J1	NAME	J2
1	SIG	N
2	SIG	N-1
...	SIG	...
N-1	SIG	2
N	SIG	1

FCF8-XX-XX-X-XX.XX-S-1
 WIRING OPTION

J1	NAME	J2
1	SIG	1
2	SIG	2
...	SIG	...
N-1	SIG	N-1
N	SIG	N

TABLE 3

No OF POSITIONS	"N" POSITION
*-05	05
-10	10
*-15	15
-20	20
*-25	25
-30	30
*-35	35
*-40	40

* NOT TOOLED

TABLE 2

LEAD STYLE	"B"	AWG	TYPE
-01	TCF-3850-XX-01-TB-0315	38	COAX
*-02	GBTX-34100-01	34	TWINAX
*-03	CCS-158266-01-CC	32	POWER

* NOT TOOLED

TABLE 1

POSITION	"A"	"B"	"C"
*-05	7.85	15.00	9.00
-10	11.85	19.00	13.00
*-15	15.85	23.00	17.00
-20	19.85	27.00	21.00
*-25	23.85	31.00	25.00
-30	27.85	35.00	29.00
*-35	31.85	39.00	33.00
*-40	35.85	43.00	37.00

* NOT TOOLED

- NOTES:
- ⊗ REPRESENTS A CRITICAL DIMENSION.
 - ⊙ ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS & OPENS.
 - ⊙ ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
 - FOR SUB-ASSEMBLY AND FINISHED GOOD PACKAGING REQUIREMENTS, REFERENCE PACKAGING STANDARD CO-HD-WI-3033-M.
 - LABEL TO BE CENTERED ON CABLE ASSEMBLY AS SHOWN. LABEL TO CONTAIN: TOP SIDE-QR CODE, LINE 1- SERIAL NUMBER "FCF8YYWZZZ", LINE 2- PART NUMBER "FCF8-XX-XX-X-XX.XX-S-X".
 - CABLE LENGTH GREATER THAN 40" [1016mm] IS A VALID PART NUMBER, BUT NOT SUPPORTED BY S.I. TEST DATA.
 - CABLES LESS THAN 5" [127.0mm] HAVE A LENGTH TOLERANCE OF +/- .050" [1.27mm].
 - DEFAULT SIGNAL MAPPING IS PIN 01 TO PIN N. OUTER GND POSITIONS ARE CONNECTED TO CONNECTOR SHELL AND WHEN APPLICABLE TO COAX AND TWINAX SHIELD. FOR PIN 01 TO PIN 01 SIGNAL MAPPING, SELECT WIRING OPTION -1.
 - NOTE DELETED.
 - ACTUATE LATCHES TO ENSURE THEY WILL DEFLECT FLUSH WITH PLASTIC AND RETURN TO DIM "C" POSITION.
 - SOLDER THESE 3 LOCATIONS AFTER SHIELD HAS BEEN FULLY SEATED.
 - MEASURE ACROSS SHIELDS AT A POINT CLOSEST TO THE END OF THE CABLE.

F:\DWG\MISC\MKTG\FCF8-XX-XX-X-XX.XX-S-X-MT.SLDDRW

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES ARE:
 DECIMALS ANGLES
 X.X: ±0.3 [0.1]
 X.XX: ±0.13 [0.05]
 X.XXX: ±0.051 [0.020]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
 OVERMOLD: LCP
 TERMINAL: PHOS BRONZE
 SHIELD: PHOS BRONZE
 PLATING:
 -L GOLD: 10µ" CONTACT

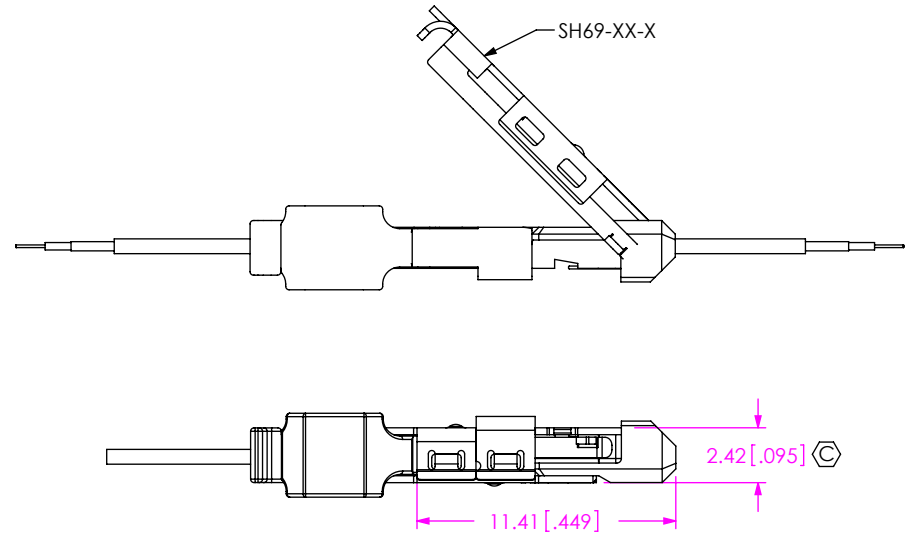
520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION: FCF8 CABLE ASSEMBLY

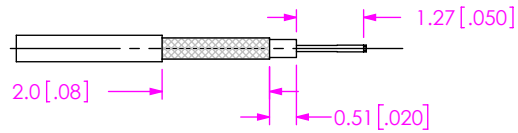
DWG. NO. FCF8-XX-XX-X-XX.XX-S-X

BY: D.SCHMELZ 8/18/2011 SHEET 1 OF 2

IN-PROCESS 3
 ADD SH69-XX-X AS SHOWN THEN SH70-XX-X, HAND SEATED
 (BOTH ENDS OF CABLE)



IN-PROCESS 1
 CUT & PREP CABLES

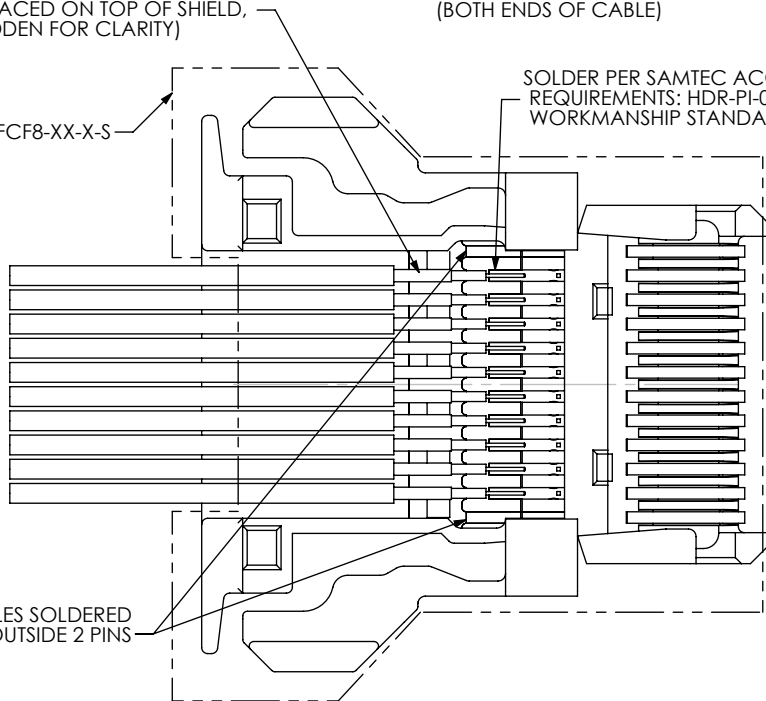


IN-PROCESS 2
 SOLDER CABLES TO SUB-FCF8-XX-X-S
 (BOTH ENDS OF CABLE)

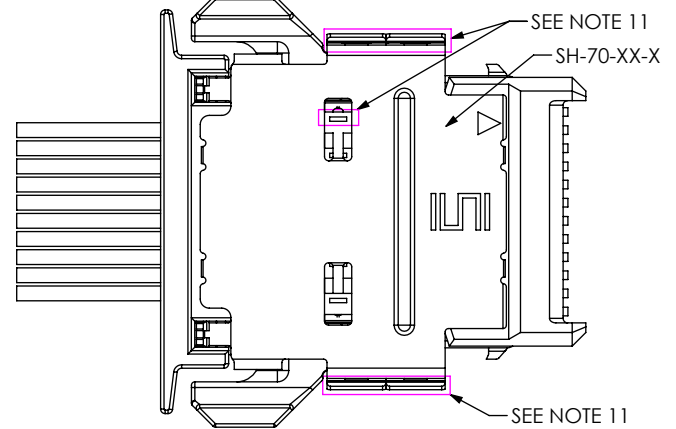
SOLDER PER SAMTEC ACCEPTABILITY
 REQUIREMENTS: HDR-PI-01 "CABLE ASSEMBLY
 WORKMANSHIP STANDARDS".

SRP-065-005-01
 (PLACED ON TOP OF SHIELD,
 HIDDEN FOR CLARITY)

SUB-FCF8-XX-X-S



IN-PROCESS 4
 ADD SH70-XX-X, SEAT WITH PRESS



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DO NOT SCALE DRAWING

SHEET SCALE: 3:1

samtec

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DESCRIPTION: FCF8 CABLE ASSEMBLY

DWG. NO. FCF8-XX-XX-X-XX.XX-S-X

BY: D.SCHMELZ 8/18/2011 SHEET 2 OF 2

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