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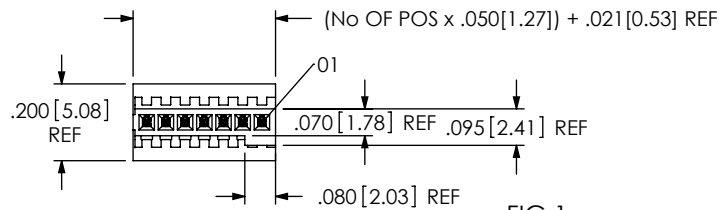
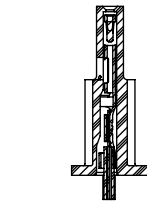
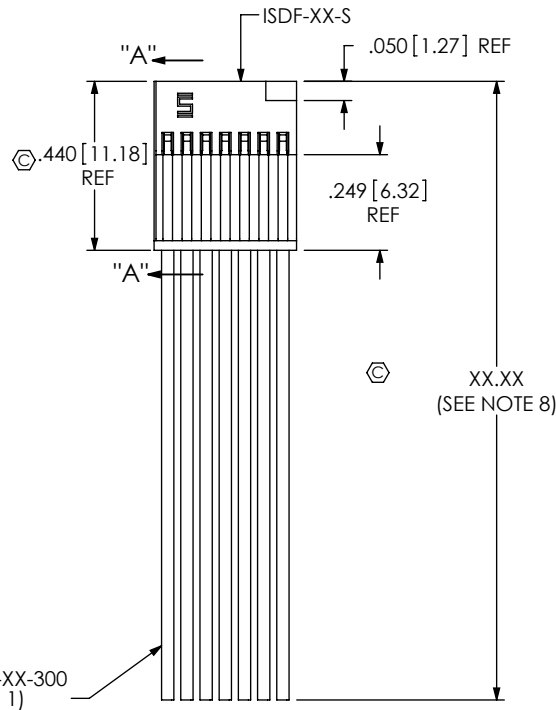


FIG 1
-S: SINGLE END
(SFSSX-07-28-X-XX.XX-S SHOWN)



SECTION "A"-"A"

TABLE 1

SERIES	WIRE GAUGE	DWCX-XX-XX-300
SFSS-XX-XXX-XX-XX.XX-XXX	28 AWG	DWC-28-XX-300
SFSS-XX-XXX-XX-XX.XX-XXX	30 AWG	DWC-30-XX-300
SFSST-XX-XXX-XX-XX.XX-XXX	28 AWG	DWCT-28-XX-TC
SFSST-XX-XXX-XX-XX.XX-XXX	30 AWG	DWCT-30-XX-TC

NOTES:

- ① REPRESENTS A CRITICAL DIMENSION.
- MINIMUM PULLOUT FORCE: 3.0 LBS [13.3 N].
- CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
- ④ ALL FINISHED GOODS ARE TO BE ELECTRICAL TESTED INCLUDING HI-POT TEST AT 1000 VOLTS DC. AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH (1) ET STAMP ON THE BODY.
- TINNED COPPER WIRE IS RoHS COMPLIANT.
- PARTS TO BE LAYER PACKAGED.
- END OF DISCRETE WIRE MUST BE IN THE RANGE AFTER CRIMP.
- FOR LENGTHS LESS THAN 12 in, TOLERANCE SHALL BE +/- .125. FOR OTHER LENGTHS, TOLERANCE SHALL BE +/- 2%.
- REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING, AND ITS REQUIREMENTS.
- COLOR CODED CABLE NOT AVAILABLE WITH SFSST (FEP).
- ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.

SFSSX-XX-XXX-XX-XX.XX-XX-XXX

FEP CABLE OPTION
-I: FEP INSULATION
LEAVE BLANK FOR STANDARD
PVC INSULATION
(SEE NOTE 11)

No OF POSITIONS
-02 THRU -50

WIRE GAUGE (AWG)
-28
-30

COLOR CODE:
LEAVE BLANK FOR ALL BLACK WIRE
C: COLOR CODED WIRE, SEE TABLE 2, SHT 3 (SEE NOTE 10)

PLATING SPECIFICATION
(VALUES GIVEN ARE IN MICRO INCHES)
-H: HEAVY GOLD, 30 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL
-G: GOLD, 10 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL
-F: FLASH SELECTIVE, 3 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL
-GF: FLASH SELECTIVE, 3 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL (SEE TABLE 2, SHEET 3)
** -GF ONLY AVAILABLE TO EXISTING CUSTOMERS SEE -F PLATING

-NXX OPTION (END 2)
(ONLY AVAILABLE WITH -D, -DR)
-NUS: NOTCH UP, STRAIGHT (PIN 1 TO PIN 7)
-NDS: NOTCH DOWN, STRAIGHT (PIN 1 TO PIN 1)

END OPTION
(END OPTION COMBINATIONS NOT AVAILABLE)
-S: SINGLE END
-D: DOUBLE END
(MUST CHOOSE FROM -NXX OPTIONS)
-SR: SINGLE ENDED WITH RETENTION LATCH (SEE SHEET 3, FIG 3)
(ONLY AVAILABLE ON -02 THRU -50 POS)
-DR: DOUBLE ENDED WITH RETENTION LATCH (SEE SHEET 3, FIG 4)
(ONLY AVAILABLE ON -02 THRU -50 POS)
(MUST CHOOSE FROM -NXX OPTIONS)

ASSEMBLED LENGTH
SPECIFY IN INCHES
(SINGLE END: 03.00 INCH [76.2mm] MINIMUM,
DOUBLE END: 03.25 INCH [82.6mm] MINIMUM)

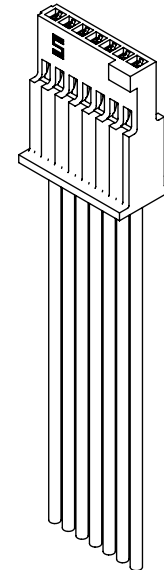
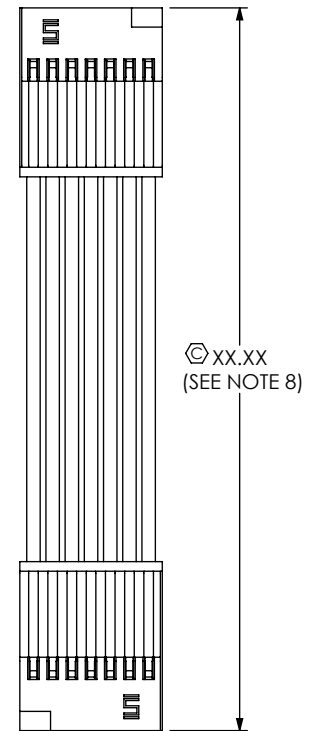


FIG 2
-D: DOUBLE END
(SFSSX-07-28-X-XX.XX-D-NUS SHOWN)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS

ANGLES

.XX: ±.01 [.3]

2°

.XXX: ±.005 [.13]

.XXXX: ±.0020 [.051]

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MATERIAL:

DO NOT SCALE DRAWING
SHEET SCALE: 2:1
INSULATOR: LCP, COLOR: BLACK
CONTACT: BeCu
CABLE INSULATION: PVC OR FEP
WIRE: DWC: TINNED COPPER, DWCT: TIN PLATED COPPER
(SEE TABLE 1)

DESCRIPTION:

.050[1.27] SOCKET DISCRETE CABLE ASSEMBLY

DWG. NO.

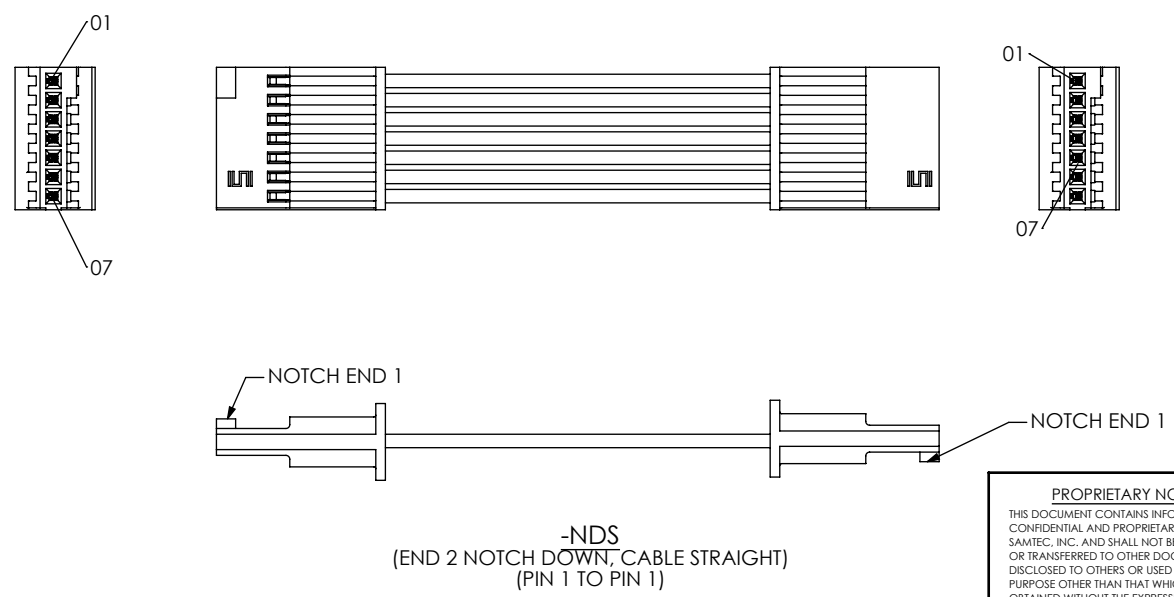
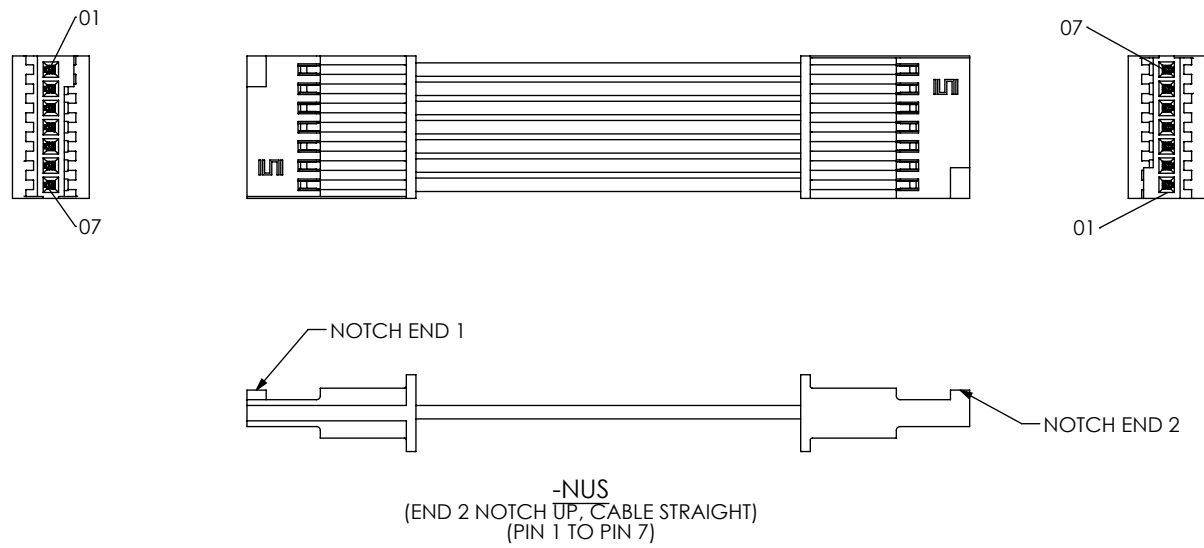
SFSSX-XX-XXX-XX-XX.XX-XX-XXX

BY: GAYNOR 6/12/2008

SHEET 1 OF 3

samtec

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



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DESCRIPTION: .050[1.27] SOCKET DISCRETE CABLE ASSEMBLY		DWG. NO. SFSSX-XX-XXX-XX-XX.XX-XX-XXX	
BY: GAYNOR 6/12/2008		SHEET 2 OF 3	

FIG 3
 -SR: SINGLE END WITH RETENTION LATCH
 (SFSSX-05-28-X-XX.XX-SR SHOWN)
 (ONLY AVAILABLE ON -02 THRU -50 POS)
 (SAME AS FIG 1, UNLESS OTHERWISE STATED)

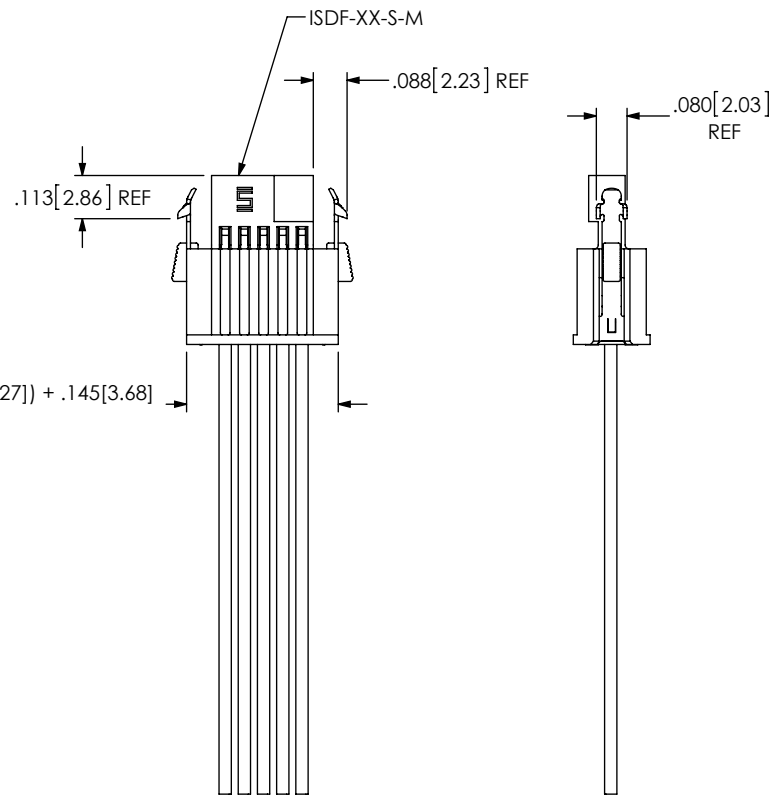


FIG 4
 -DR: DOUBLE END WITH RETENTION LATCH
 (SFSSX-05-28-X-XX.XX-DR SHOWN)
 (ONLY AVAILABLE ON -02 THRU -50 POS)
 (SAME AS FIG 1, UNLESS OTHERWISE STATED)

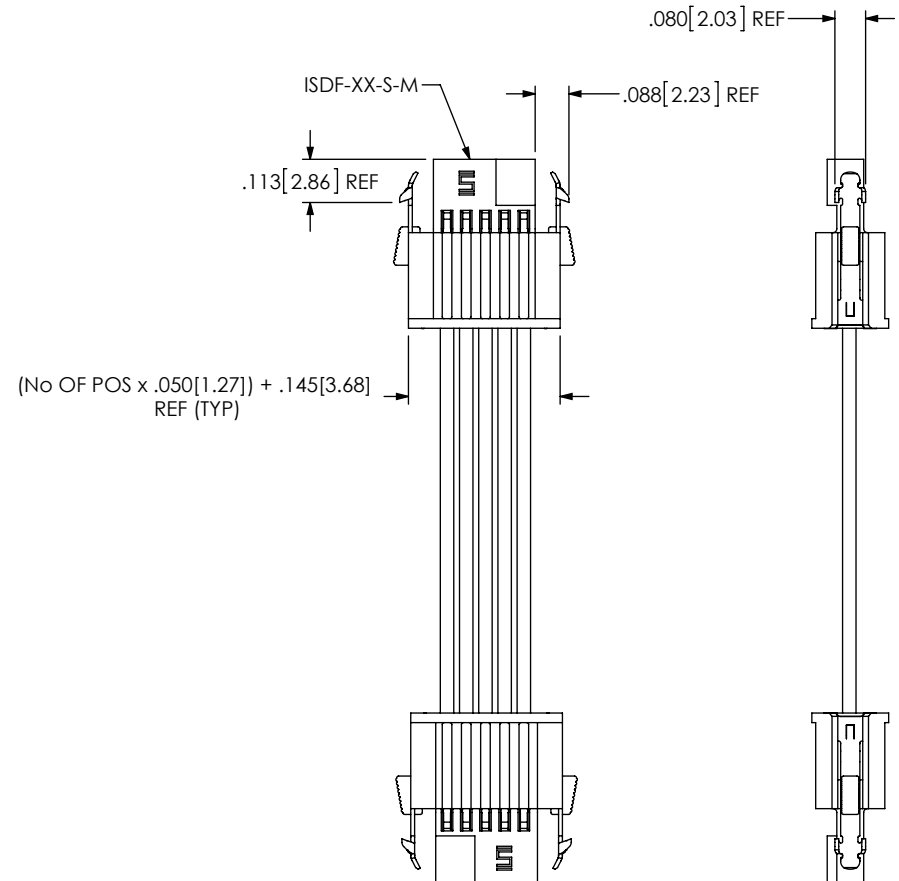


TABLE 2
 SFSS COLOR CODED WIRE SEQUENCE
 COLOR

	BROWN	RED	ORANGE	YELLOW	GREEN	VIOLET	GRAY	WHITE	BLACK	BLUE
	DWC-XX-01-300	DWC-XX-02-300	DWC-XX-03-300	DWC-XX-04-300	DWC-XX-05-300	DWC-XX-07-300	DWC-XX-08-300	DWC-XX-09-300	DWC-XX-10-300	DWC-XX-13-300
PIN #	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50

TABLE 2: PLATING

PLATING	CONTACT
-H	C-203-2830-H or CC03X-2830-01-H
-GF	C-203-2830-GF or CC03X-2830-01-GF
-G	C-203-2830-G or CC03X-2830-01-G
-F	C-203-2830-GF or CC03X-2830-01-GF

F:\DWG\MISC\MKTG\SFSSX-XX-XXX-XX-XX.XX-XXX-MKT.SLDDRW

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SHEET SCALE: 4:1

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

DESCRIPTION:
 .050[1.27] SOCKET DISCRETE CABLE ASSEMBLY

DWG. NO.
SFSSX-XX-XXX-XX-XX.XX-XX-XXX

BY: GAYNOR 6/12/2008 SHEET 3 OF 3

Mouser Electronics

Authorized Distributor

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Samtec:

[SFSS-10-28-G-40.00-SR](#) [SFSS-06-28-G-12.00-S](#) [SFSS-05-30-G-18.00-SR](#) [SFSS-10-28-G-10.00-S](#) [SFSS-03-28-H-05.00-S](#) [SFSS-07-28-G-12.00-SR](#) [SFSS-07-28-G-20.00-SR](#) [SFSS-10-28-G-08.00-S](#) [SFSS-30-28-H-06.00-SR](#) [SFSS-05-28C-G-03.00-S](#) [SFSS-04-28-G-30.00-S](#) [SFSS-05-28-G-50.00-S](#) [SFSS-15-28-H-06.00-S](#) [SFSS-07-28-G-08.00-SR](#) [SFSS-05-28-G-40.00-SR](#) [SFSS-03-28-G-50.00-S](#) [SFSS-07-28-G-40.00-SR](#)