NOTES:
1. HIDDEN LINES ARE USED TO SHOW POLARIZATION WHEN USING -N OPTION.
2. O REPRESENTS A CRITICAL DIMENSION.
3. FFSD CABLE ASSEMBLIES ARE LEAD FREE.
4. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND_opens.
5. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 630V.
6. STRAIN RELIEF TO WITHSTAND SUB[25N] STRAIGHT PULL.
7. NOTE DELETED.
8. WHEN CUTTING CABLE TO LENGTH, CONDUCTORS SHOULD NOT EXTEND PAST THE CABLE INSULATION, EXTENDING LESS THAN 25% OF CABLE THICKNESS ON CONSECUTIVE AND LESS THAN 50% OF CABLE LENGTH ON NON-CONSECUTIVE STRANDS IS CONSIDERED A PROCESS INDICATOR.
9. REFERENCE FFSD-XX-XX-X-XXX FOR CONNECTOR ASSEMBLY DIMENSIONS AND ITS REQUIREMENTS.
10. COLORED WIRE MUST MATCH FIRST POSITION INDICATOR ON THE FIRST CONNECTOR FOR ALL OPTIONS WITH THE EXCEPTION OF -RW.
11. FOR LENGTHS LESS THAN 12.5", TOLERANCE SHALL BE +/- 125, ALL OTHER LENGTHS SHALL BE +/- 1%.

FIG 1
(FFSD-10-D-XX-XX-01-X-X-N SHOWN)

RED WIRE TO SIDE OF FIRST POS INDICATOR

TABLE 1

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>PART</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FFSD-XX-01-XN-XX</td>
</tr>
<tr>
<td>2</td>
<td>CB-XX-30-7/38-025-GR</td>
</tr>
<tr>
<td>3</td>
<td>FFSR-XX-01</td>
</tr>
<tr>
<td>4</td>
<td>FFSD-XX-01-XN-SR1</td>
</tr>
<tr>
<td>5</td>
<td>FFSD-XX-01-XN-SR2</td>
</tr>
<tr>
<td>6</td>
<td>FFSR-XX-02</td>
</tr>
</tbody>
</table>

FFSD-XX-X-XX-01-X-X-XXX

OPTION
- RW: REVERSE WIRING
  (NOT AVAILABLE WITH -RN1 OR -RN2)
- D"XX": DAISY CHAIN [MINIMUM: 2.00[50.8], 1.00[25.4] INCREMENTS]
- R: REVERSED
  (NOT AVAILABLE WITH -M OR -O)
- M: MIDDLE REVERSE
  (NOT AVAILABLE WITH -R OR -M)
- O: OUTSIDE REVERSE
  (NOT AVAILABLE WITH -R OR -M)
- RN1: REVERSE POLARIZATION NOTCH
  (NOT AVAILABLE WITH -RW OR -RN2)
- RN2: REVERSE POLARIZATION NOTCH
  (NOT AVAILABLE WITH -RW OR -RN1)
- SR: STRAIN RELIEF
  (NOT AVAILABLE WITH -O, -M, -R OR -DXX)
(SOLD AS ASSEMBLIES ONLY)

PLATING OPTIONS
- LEAVE BLANK FOR STANDARD, USE C-67-L
- S: USE C-67-S
- F: USE C-67-F

FIG 2
(FFSD-10-S-XX.XX-01-X-N SHOWN)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

NOTCH DENOTES FIRST POSITION

RED WIRE TO SIDE OF FIRST POS INDICATOR

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REVISION AP

520 PARK EAST BLVD. NEW ALBANY, IN 47150
PHONE: 812-944-6732       FAX: 812-948-5047
e-Mail info@SAMTEC.com        code 55322

REVISION AP

DO NOT SCALE DRAWING SHEET SCALE: 2:1

DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS   ANGLES
XX: ± .01[.3] 2°
XXX: ± .005[.13] ±0.005[.10]

MATERIAL:
INSULATORS: PBT UL94V-0, COLOR: BLACK
CONTACT: BeCu
WIRE: 30 AWG, 7/38, TINNED, STRANDED WITH GRAY PVC INSULATOR
PLATING: .000010 GOLD OVER .000050 NICKEL
REMAINDER: .000200 REF TIN OVER .000050 NICKEL

DESCRIPTION:
.050 x .050 DOUBLE ROW FEMALE IDC ASSEMBLY
DWG. NO. FFSD-XX-X-XX.XX-01-X-X-XXX
BY: T NEWTON 02/15/2008 SHEET 1 OF 4
FIG 3
(FFSD-10-D-XX.XX-01-X-N-RN1 SHOWN)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

FIRST CONNECTOR
FIRST POSITION INDICATOR

SECOND CONNECTOR
FIRST POSITION INDICATOR

NOTE:
-R1 = REVERSE NOTCH ON 1ST CONNECTOR ONLY
( NOT AVAILABLE WITH -R OPTION)
-R2 = REVERSE NOTCH ON 2ND CONNECTOR ONLY
( NOT AVAILABLE WITH -R OPTION)
(REVERSE NOTCH NOT AVAILABLE WITH -RW OR ANY DAISY CHAIN OPTIONS)

FIG 4
(FFSD-10-D-XX.XX-01-X-DXX-O SHOWN)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

OUTSIDE CONNECTOR REVERSED WHEN DAISY CHAINED

FIG 5
(FFSD-10-D-XX.XX-01-X-N-DXX-M SHOWN)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

MIDDLE CONNECTOR REVERSED WHEN DAISY CHAINED

FIG 6
(FFSD-10-D-XX.XX-01-X-N-DXX-R SHOWN)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

BOTH CONNECTORS REVERSED WHEN DAISY CHAINED

FIG 7
(FFSD-10-D-XX.XX-01-X-N-DXX SHOWN)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

NOT AVAILABLE WITH -RN1 OR -RN2 OPTION

NOTE:
-RN1 = REVERSE NOTCH ON 1ST CONNECTOR ONLY
( NOT AVAILABLE WITH -R OPTION)
-RN2 = REVERSE NOTCH ON 2ND CONNECTOR ONLY
( NOT AVAILABLE WITH -R OPTION)
(REVERSE NOTCH NOT AVAILABLE WITH -RW OR ANY DAISY CHAIN OPTIONS)

REVISION AP

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

DESCRIPTION:
0.050 x .050 DOUBLE ROW FEMALE IDC ASSEMBLY

ISI CODE: FFSD-XX-X-XX.XX-01-X-X-XXX
DWG. NO.

BY: T NEWTON 02/15/2008 SHEET 2 OF 4

REV: A
FIG 9
STRAIN RELIEF OPTION (POS 2-15 ONLY)
(FFSD-10-D-XX.XX-01-X-N-SR SHOWN)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

3.35 ± .010 [8.51 ± 0.25]  
(XX.XX [XX.XX x 25.4] ± .13 [3.2])

FIG 10
STRAIN RELIEF OPTION (POS 16-25 ONLY)
(FFSD-25-D-XX.XX-01-X-N-SR SHOWN)
(SAME AS FIG 9, DIFFERENT AS SHOWN)

.0228 ± .000 [0.58 ± 0.00]  
(XX.XX [XX.XX x 25.4] ± .13 [3.2])

DETAIL 'A'
SCALE 8:1

IN-PROCESS 1
(16-25 POS -SR ONLY FOR DOUBLE END)


IN-PROCESS 2
(16-25 POS -SR ONLY FOR DOUBLE END)

XX.XX [XX.XX x 25.4] ± .13 [3.2]

IN-PROCESS 3
(16-25 POS -SR ONLY FOR DOUBLE END)

XX.XX [XX.XX x 25.4] ± .13 [3.2]