

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. BURR ALLOWANCE: .003[.08] MAX.
3. PARTS TO BE MOLDED TO POSITION.
4. MINIMUM PIN PULLOUT FORCE: 4.000LB[17.79N]
5. CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
6. ALL FINISHED GOODS ARE TO BE ELECTRICAL TESTED INCLUDING HI-POT TEST.
7. TINNED COPPER WIRE CONTAINS LEAD.
8. PARTS ARE TO BE LAYER PACKAGED.
9. MINIMUM METAL LATCH RETENTION FORCE: 1.000LB[4.45N]
10. SEE DWL-02-XX-X-XX.XX-X FOR CRIMP DIMENSIONS

DO NOT SCALE FROM THIS PRINT

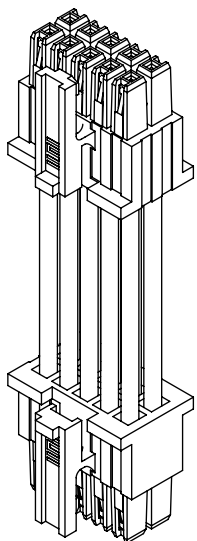
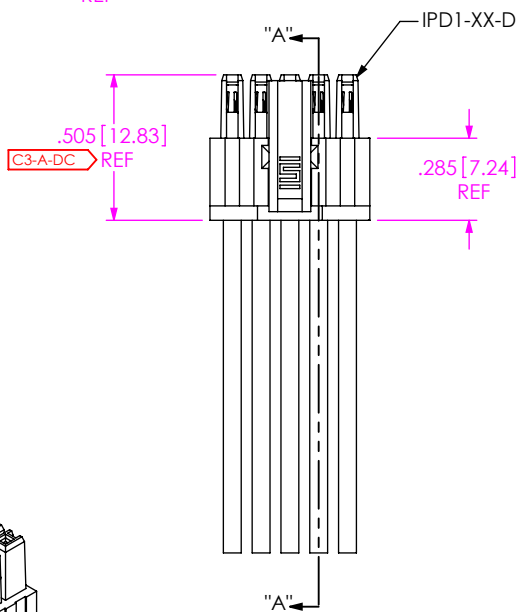
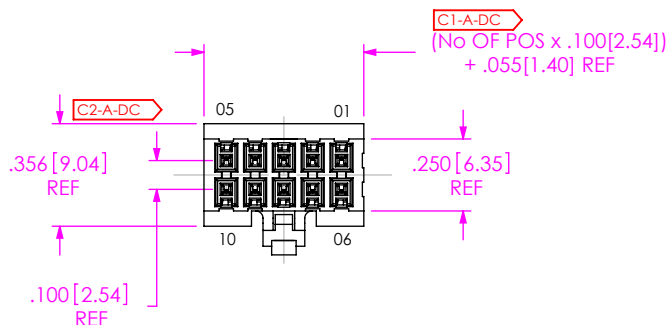


FIG. 1

MMSD-05-22-X-XX.XX-S SHOWN

TABLE 1		
WIRE GAUGE	CABLE	CONTACT
20 AWG	DWC-20-10-300	C-179-03-X
22 AWG	DWC-22-10-300	C-179-03-X
24 AWG	DWC-24-10-300	C-179-03-X
26 AWG	DWC-26-10-300	C-179-02-X
28 AWG	DWC-28-10-300	C-179-02-X
30 AWG	DWC-30-10-300	C-179-02-X

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

[H] MMSD-XX-XX-X-XX.XX-X-X-XXX

No OF POSITIONS

-02 THRU -25  
(PER ROW)

WIRE GAUGE (AWG)

-20  
-22  
-24  
-26  
-28  
-30

PLATING SPECIFICATION

-F: FLASH SELECTIVE (USE C-179-XX-F)  
-L: LIGHT SELECTIVE (USE C-179-XX-L)  
-S: SELECTIVE (USE C-179-XX-S)

ASSEMBLED LENGTH

SPECIFY IN INCHES [USE DWC-XX-XX]  
(SINGLE END: 03.00 INCH MINIMUM,  
DOUBLE END: 03.25 INCH MINIMUM)

END OPTION

-S: SINGLE END  
-D: DOUBLE END  
(SEE OPTION)

OPTION [H]

SINGLE

\*\*M: METAL LATCH (USE IPD1-XX-D-X-M)  
(LEAVE BLANK FOR PLASTIC)

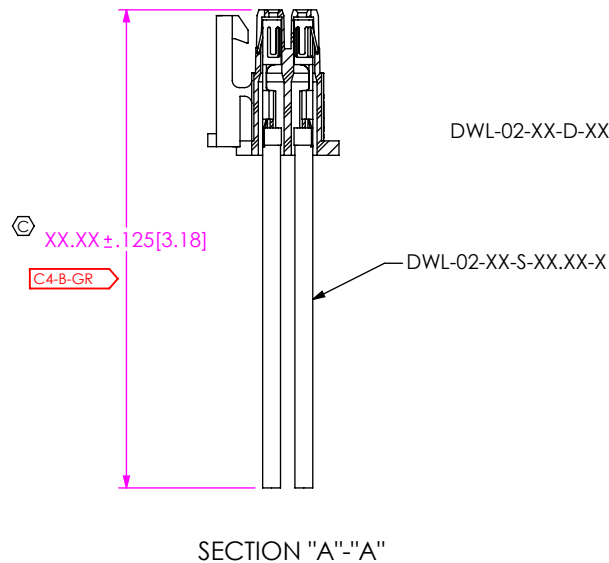
DOUBLE

-LUS: PLASTIC LATCH UP, STRAIGHT  
-LDS: PLASTIC LATCH DOWN, STRAIGHT  
-LUX: PLASTIC LATCH UP, CROSSED  
-LDX: PLASTIC LATCH DOWN, CROSSED  
\*\*MUS: METAL LATCH UP, STRAIGHT  
\*\*MDS: METAL LATCH DOWN, STRAIGHT  
\*\*MUX: METAL LATCH UP, CROSSED  
\*\*MDX: METAL LATCH DOWN, CROSSED

POLARIZATION OPTION

-P: POLARIZATION (SEE FIG. 3, SHEET 2)  
(NOT AVAILABLE WITH -LUS, -LDS, -LUX, -K OPTIONS)  
\*\*K: KEYED POLARIZATION  
(USE IPD1-XX-X-K) (SEE FIG. 4, SHEET 2)  
(NOT AVAILABLE WITH -P OPTION)  
(LEAVE BLANK FOR NO POLARIZATION)

**\*\*NOT RELEASED FOR PRODUCTION**



SECTION "A"-"A"

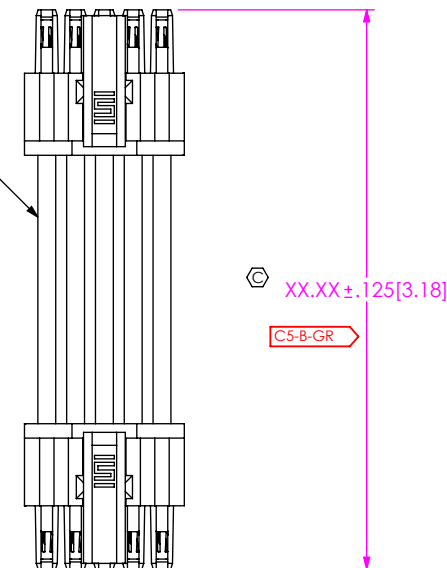


FIG. 2

MMSD-05-22-X-XX.XX-D SHOWN

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES  
.XX: ±.01 [.3] 2°  
.XXX: ±.005 [.13]  
.XXXX: ±.0020 [.051]

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.

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1.5:1

HOUSING: NYLON 66, COLOR: WHITE  
CONTACT: PHOS BRONZE  
CABLE; INSULATION: PVC  
WIRE: TINNED COPPER  
LATCH: NICKEL-PLATED BeCu, #25, 1/2 HT

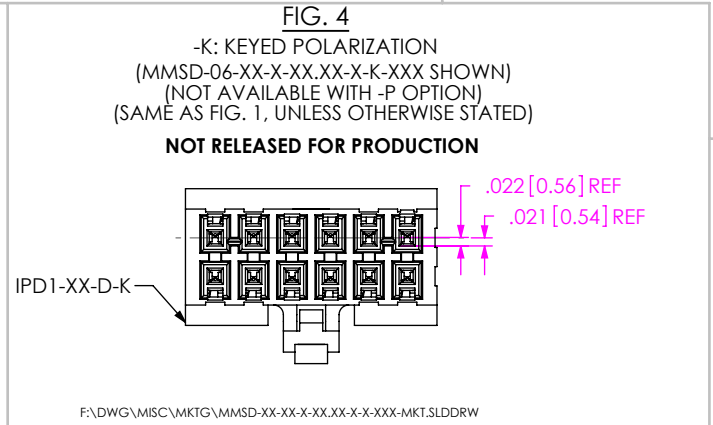
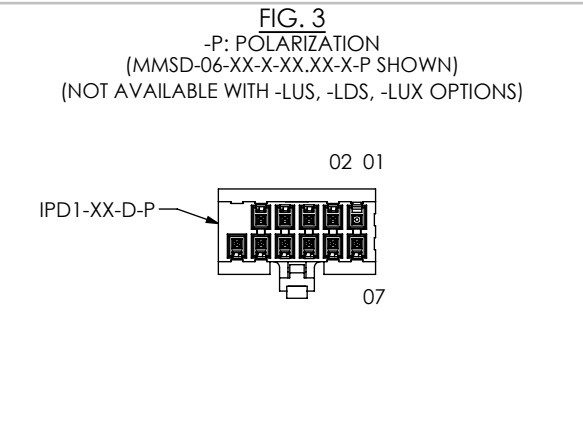
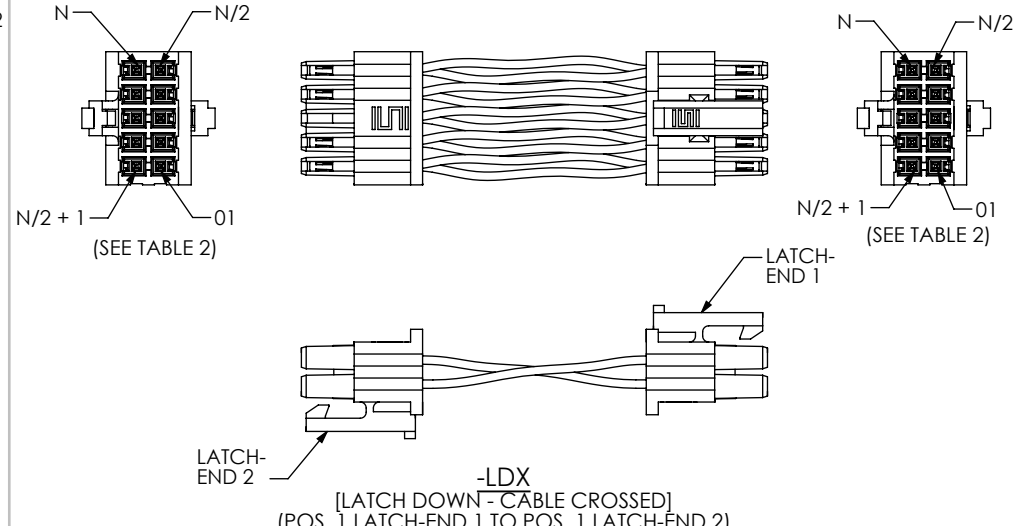
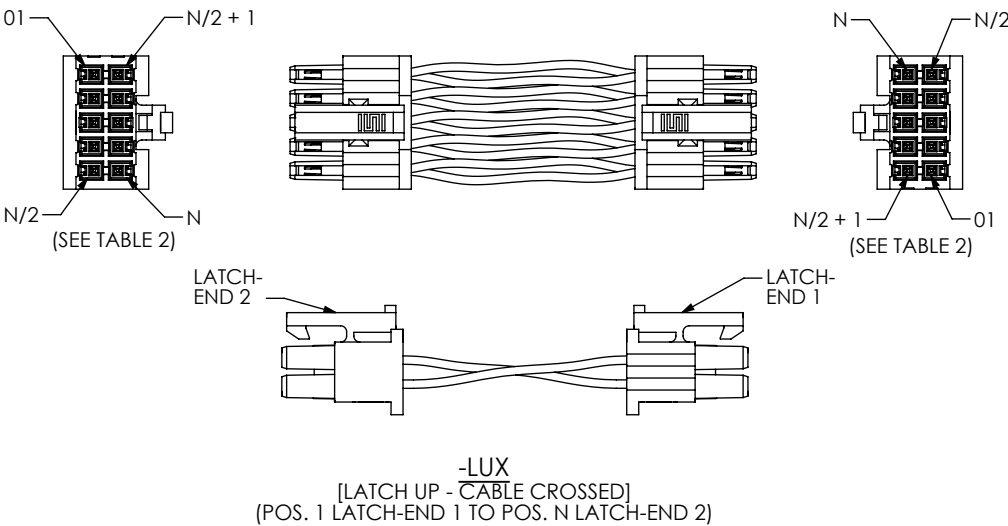
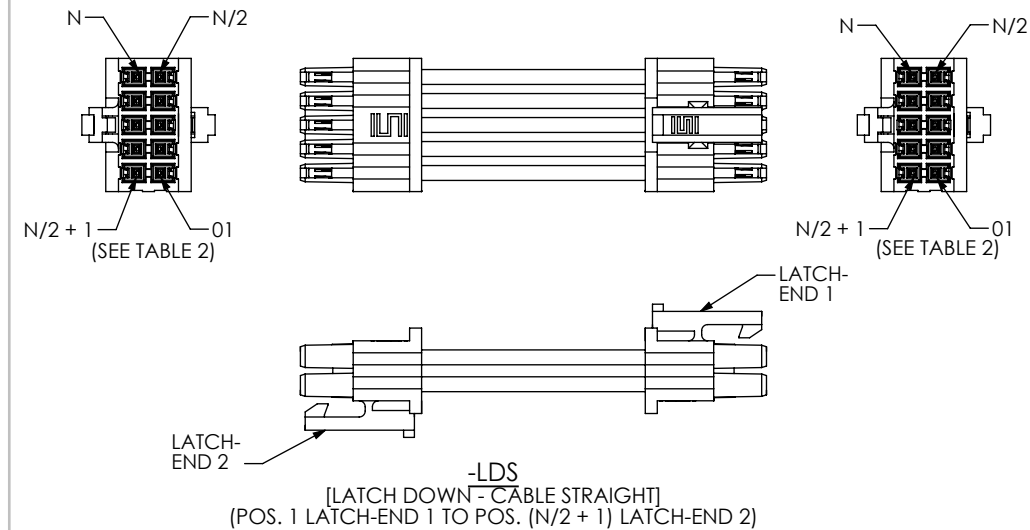
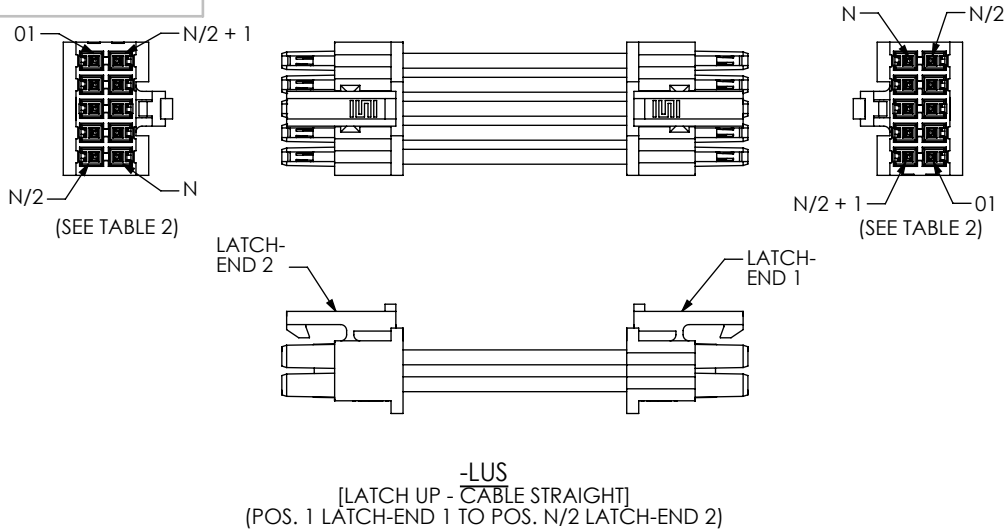


520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:  
.100[2.54] SOCKET DISCRETE CABLE ASSEMBLY

DWG. NO.  
MMSD-XX-XX-X-XX.XX-X-X-XXX

BY: DEAN P 07/16/2004 SHEET 1 OF 3



**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.

DO NOT SCALE DRAWING

SHEET SCALE: 1:25:1

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

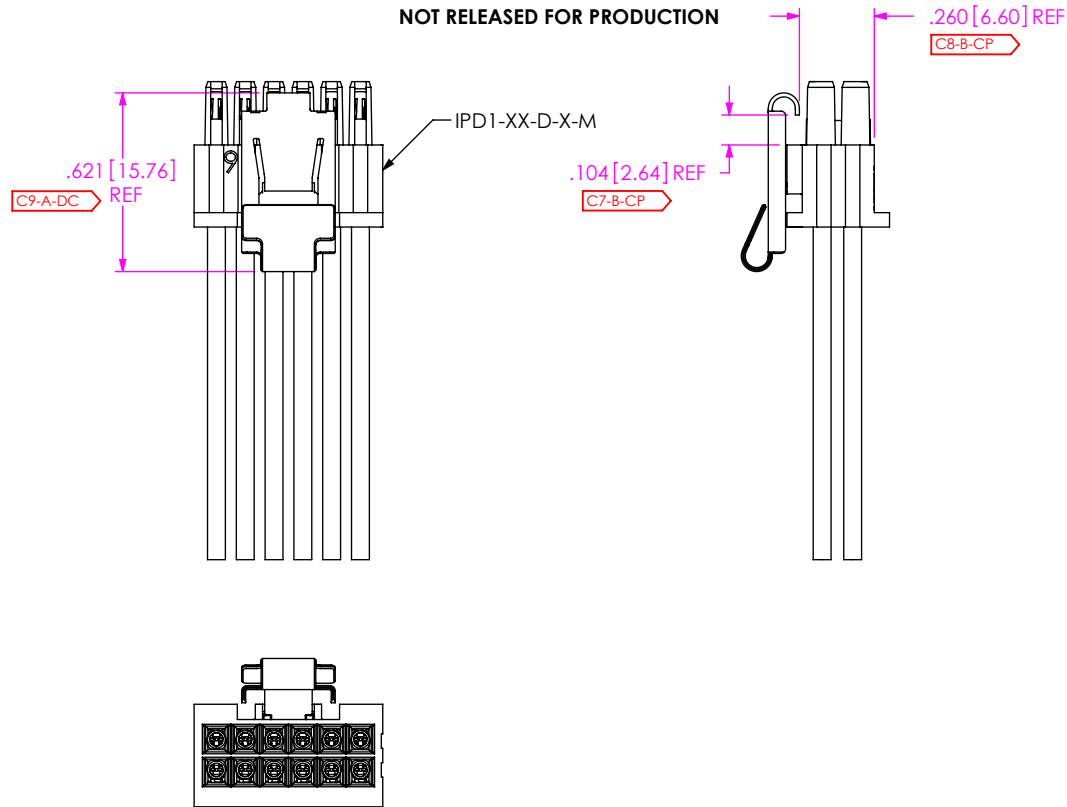
DESCRIPTION:  
.100[2.54] SOCKET DISCRETE CABLE ASSEMBLY

DWG. NO.  
MMSD-XX-XX-X-XX.XX-X-X-XXX

BY: DEAN P 07/16/2004 SHEET 2 OF 3

FIG. 5  
(MMSD-06-XX-X-XX.XX-S-M SHOWN)  
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)

NOT RELEASED FOR PRODUCTION



CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE

ASSEMBLY OPERATION	START-UP INSPECTION INSPECT CODE A	IN-PROCESS INSPECTION INSPECT CODE B
ASSEMBLE MMSD-XX-XX-X-XX.XX-X-X-XXX	C1, C2, C3	C4, C5, C6
ASSEMBLE METAL IPD1-XX-D-X-M	C9	C7, C8

TABLE 2

No. OF POSITIONS	N	N/2	N/2 + 1
-05	10	5	6
-07	14	7	8
-10	20	10	11
-15	30	15	16
-20	40	20	21
-25	50	25	26

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.

DO NOT SCALE DRAWING

SHEET SCALE: 2:1



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

DESCRIPTION:  
.100[2.54] SOCKET DISCRETE CABLE ASSEMBLY

DWG. NO.  
MMSD-XX-XX-X-XX.XX-X-X-XXX

BY: DEAN P 07/16/2004 SHEET 3 OF 3