REVISION Q

DO NOT SCALE FROM THIS PRINT

NOTES:
1. Ⓒ REPRESENTS A CRITICAL DIMENSION.
2. BURR ALLOWANCE: .003[0.08] MAX.
3. PARTS TO BE MOLDED TO POSITION.
4. MINIMUM PULLOUT FORCE: 5 lbs [2.22 N].
5. CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
6. ALL FINISHED GOODS ARE TO BE ELECTRICAL TESTED INCLUDING HI-POT TEST @ 1000 VOLTS DC. AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH 1 LABEL-ET.
7. TINNED COPPER WIRE CONTAINS LEAD.
8. PARTS ARE TO BE LAYER PACKAGED.
9. CONTACTS OFFSET FOR POLARIZATION.
10. Q FOR CRIMP DIMENSIONS SEE DWL-02-XXXX-X-XX.XX-XX-XX FOR PVC APPLICATIONS OR DWLX-02-XXXX-X-XX.XX-XX-XX FOR FEP APPLICATIONS.
11. FOR LENGTHS LESS THAN 12 IN, TOLERANCE SHALL BE Ñ.125[3.18]. FOR OTHER LENGTHS, TOLERANCES SHALL BE Ñ 2%.

MMSSX-XX-XXX-X-XX.XX-X-X-XXX

Q FEP CABLE OPTION
-T: FEP INSULATION (LEAVE BLANK FOR STANDARD PVC INSULATION)

No OF POSITIONS
-02 THRU -10

WIRE GAUGE (AWG)
PVC:-20, -22, -24, -26, -28, -30
Q FEP:*-20 *-24, -28, 30

COLOR CODE
C (SEE TABLE 2) (LEAVE BLANK FOR STANDARD BLACK CABLE)
Q (NOT AVAILABLE WITH FEP OPTION)

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 DWCX-XX-XX]
(SINGLE END: 03.00[76.2] INCH MINIMUM, DOUBLE END: 03.25[82.6] INCH MINIMUM)

END OPTION
-S: SINGLE END
-D: DOUBLE END(MUST CHOOSE XUS OR XDS OPTIONS.)

OPTION
-K: KEYED POLARIZATION (USE IPD1-XX-S-K) (SEE FIG. 3, SHEET 2)

OPTION
SINGLE
-M: METAL LATCH (USE IPD1-XX-D-X-S) (LEAVE BLANK FOR PLASTIC)

DOUBLE
[MUST BE USED ON -D END OPTION ONLY & APPLIES TO END 2 HOUSING]
-LUS: PLASTIC LATCH UP, STRAIGHT
-LDS: PLASTIC LATCH DOWN, STRAIGHT
-MUS: METAL LATCH UP, STRAIGHT
-MDS: METAL LATCH DOWN, STRAIGHT

* = NOT RELEASED FOR PRODUCTION

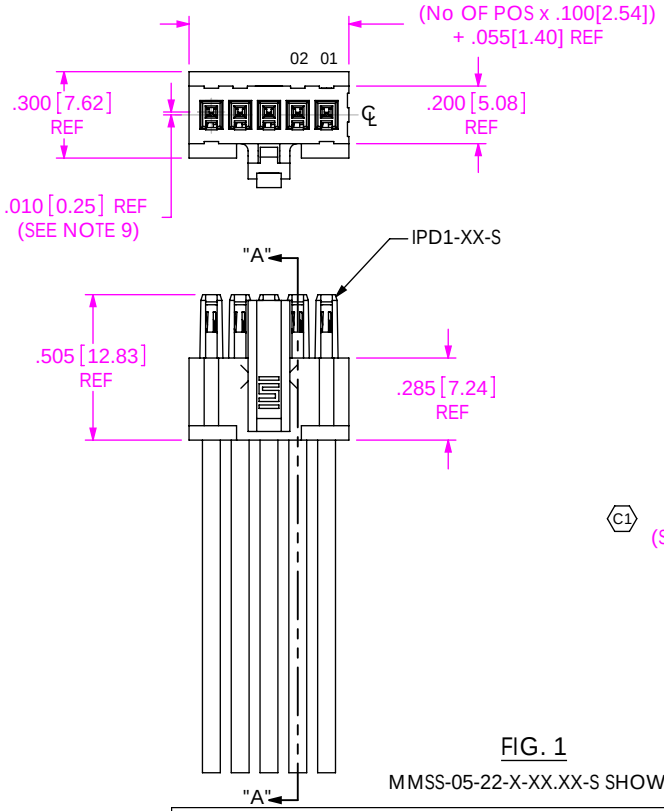
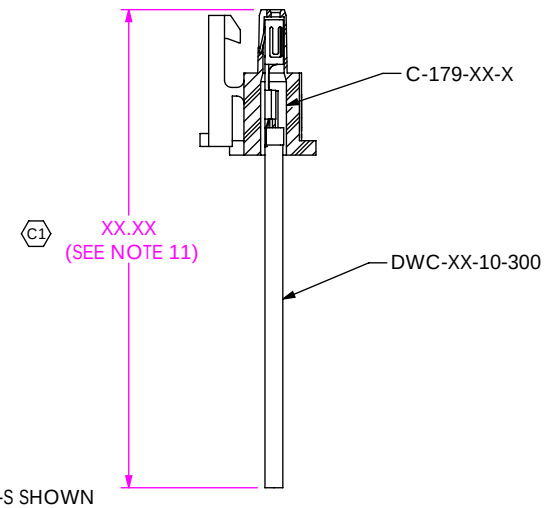


FIG. 1
MMSS-05-22-X-XX.XX-S SHOWN



SECTION "A"-"A"

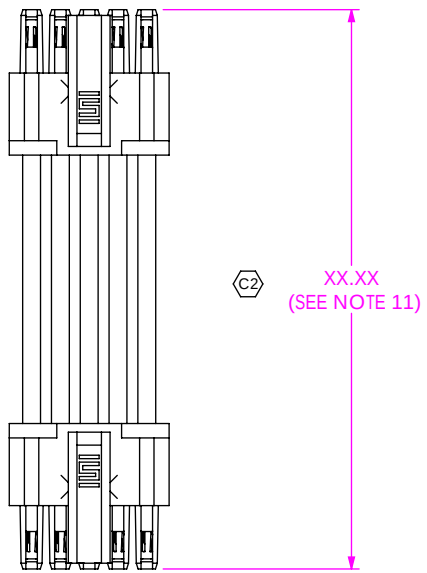


FIG. 2
MMSS-05-22-X-XX.XX-D-LUS SHOWN

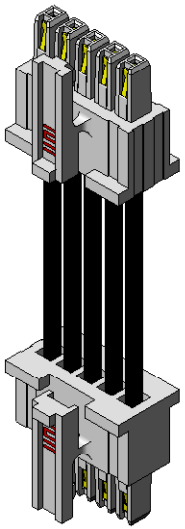


TABLE 1			
SERIES	WIRE GAUGE	CABLE	CONTACT
MMSS	20 AWG	DWC-20-XX-300	C-179-03-X
MMSS	22 AWG	DWC-22-XX-300	C-179-03-X
MMSS	24 AWG	DWC-24-XX-300	C-179-03-X
MMSS	26 AWG	DWC-26-XX-300	C-179-02-X
MMSS	28 AWG	DWC-28-XX-300	C-179-02-X
MMSS	30 AWG	DWC-30-XX-300	C-179-02-X
Q * MMSST	20AWG	DWCT-20-XX	C-179-03-X
* MMSST	24AWG	DWCT-24-XX	C-179-02-X
MMSST	28AWG	DWCT-28-XX	C-179-04-X
MMSST	30AWG	DWCT-30-XX	C-179-04-X

TABLE 2										
MMSS COLOR CODED WIRE SEQUENCE										
	COLOR									
	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GRAY	WHITE	BLACK
PIN#	1	2	3	4	5	6	7	8	9	10

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS .XX: ±.01 [0.3] .XXX: ±.005 [0.13] .XXXX: ±.0020 [0.051]
ANGLES 2 °

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

HOUSING: NYLON 6/6, COLOR: WHITE
CONTACT: PHOS BRONZE
CABLE; INSULATION: SEE CALLOUT
WIRE: TINNED COPPER

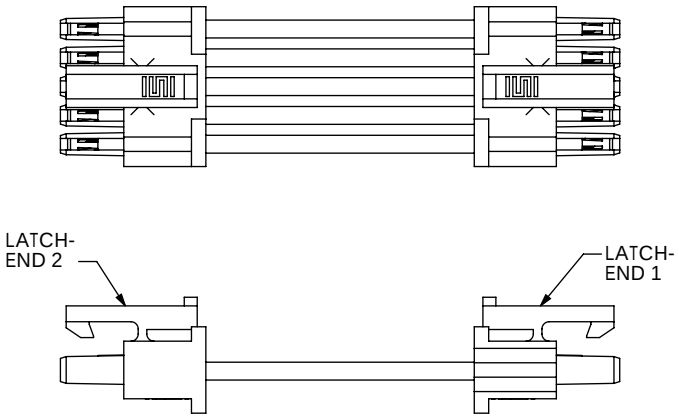
DESCRIPTION: .100[2.54] SOCKET DISCREET CABLE ASSEMBLY

DWG. NO. MMSSX-XX-XXX-X-XX.XX-X-X-XXX

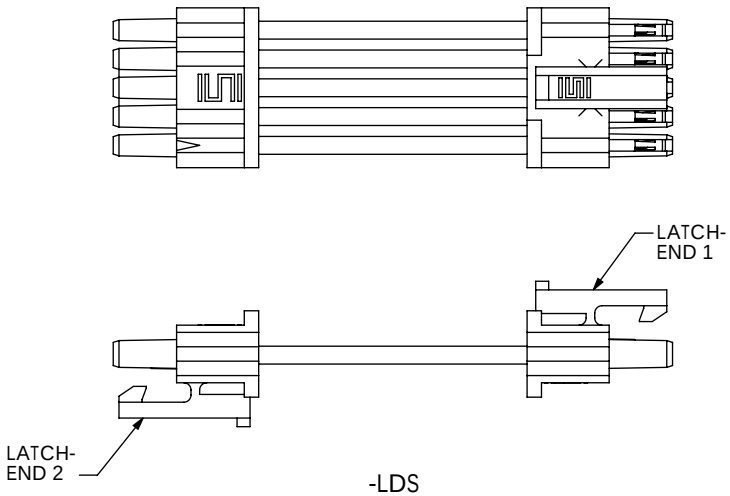
F:\DWG\MISC\MKTG\MMSSX-XX-XXX-X-XX.XX-X-X-XXX-MKT.SLDDRW

BY: DEAN P 05/03/2005 SHEET 1 OF 3

REVISION Q

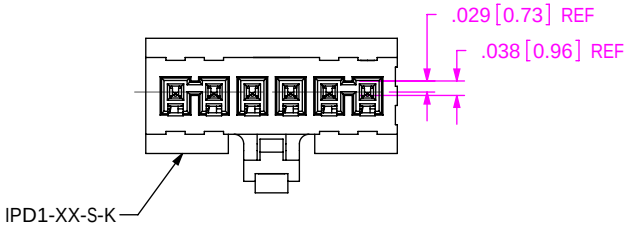


-LUS
[LATCH UP- CABLE STRAIGHT]



-LDS
[LATCH DOWN- CABLE STRAIGHT]

FIG. 3
-K: KEYED POLARIZATION
(MMSSX-06-XX-X-XX.XX-X-K-XXX SHOWN)
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)



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SHEET SCALE: 1.5:1

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DESCRIPTION:
.100[2.54] SOCKET DISCREET CABLE ASSEMBLY

DWG. NO.
MMSSX-XX-XXX-X-XX.XX-X-X-XXX

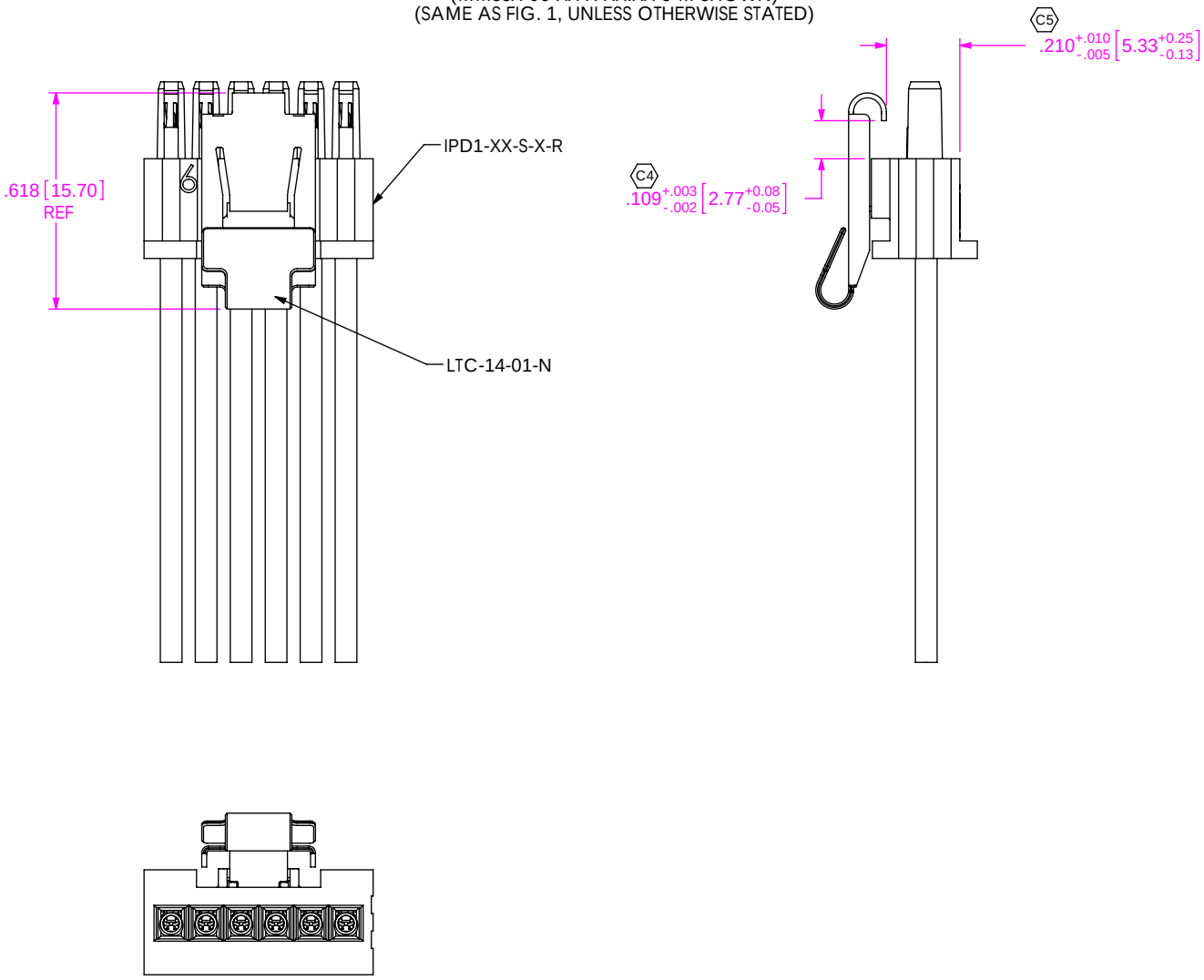
BY: DEAN P 05/03/2005 SHEET 2 OF 3

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

REVISION Q

FIG. 4

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



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e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
.100[2.54] SOCKET DISCREET CABLE ASSEMBLY

DWG. NO.
MMSSX-XX-XXX-X-XX.XX-X-X-XXX

BY: DEAN P 05/03/2005 SHEET 3 OF 3

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