



**THE DATASHEET OF
MMSS-12-22-L-96.00-D-K-LUS**



DO NOT SCALE FROM THIS PRINT

- NOTES:
- ⊗ REPRESENTS A CRITICAL DIMENSION.
 - BURR ALLOWANCE: .003[0.08] MAX.
 - PARTS TO BE MOLDED TO POSITION.
 - MINIMUM PULLOUT FORCE: 5 lbs [22.24 N].
 - CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
 - ⊗ ALL FINISHED GOODS ARE TO BE ELECTRICAL TESTED INCLUDING HI-POT TEST @ 1000 VOLTS DC. AFTER FINAL ELECTRICAL TEST, MARK EACH ASSEMBLY PER INSTRUCTIONS REFERENCED IN CO-(AD-ID)-WI-3092-M.
 - TINNED COPPER WIRE IS ROHS COMPLIANT.
 - FOLLOW PACKAGING MANUAL INSTRUCTIONS.
 - CONTACTS OFFSET FOR POLARIZATION.
 - REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING AND ITS REQUIREMENTS.
 - FOR LENGTHS LESS THAN 12 IN, TOLERANCE SHALL BE ±.125[3.18]. FOR OTHER LENGTHS, TOLERANCES SHALL BE ± 2%.
 - GOLD PLATING IS NOT REQUIRED ON THE OUTSIDE OF THE CONTACT BOX OR ON THE SIDE WITH THE RETENTION LANCE.
 - ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.
 - CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.

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

FEP CABLE OPTION
 -T: FEP INSULATION (LEAVE BLANK FOR STANDARD PVC INSULATION) (SEE NOTE 13)

OPTION
 SINGLE
 -M: METAL LATCH (USE IPD1-XX-S-X-M) (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
 OPTION
 -K: KEYED POLARIZATION (USE IPD1-XX-S-K) (SEE FIG 3, SHEET 2) (LEAVE BLANK FOR NO POLARIZATION; AVAILABLE TO EXISTING CUSTOMERS ONLY)

No OF POSITIONS
 -02 THRU -25
 WIRE GAUGE [AWG]
 PVC:-20, -22, -24, -26, -28, -30
 FEP:-20, -24, -28, 30

COLOR CODE
 C (SEE TABLE 2) (LEAVE BLANK FOR STANDARD BLACK CABLE) (NOT AVAILABLE FOR TEFLON OPTION, TEFLON CABLE ONLY AVAILABLE IN BLUE)

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)

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

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)

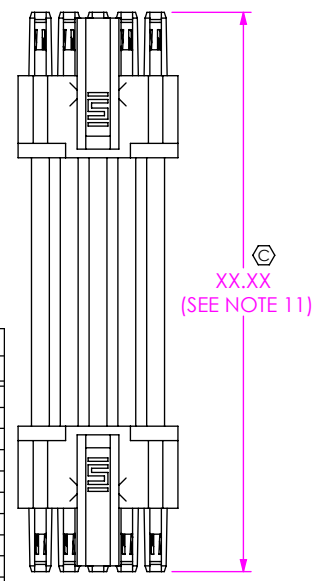
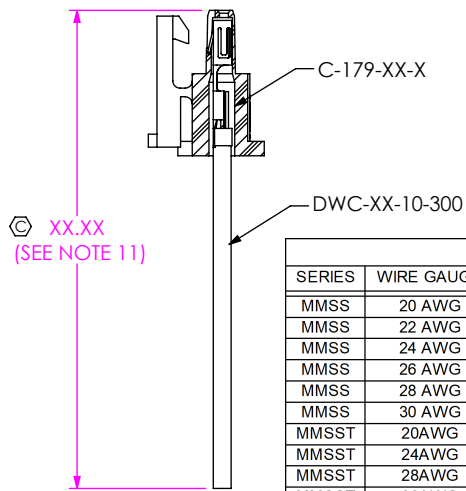
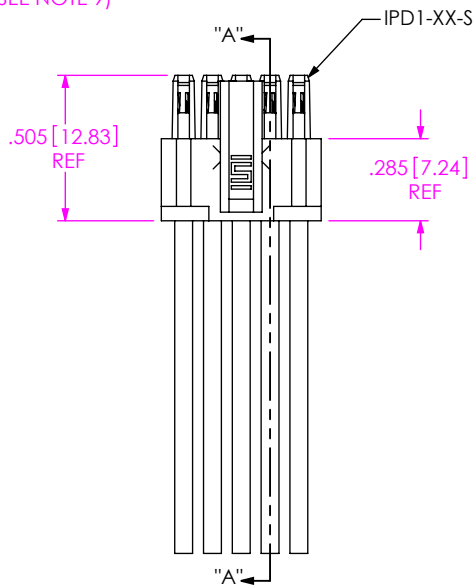
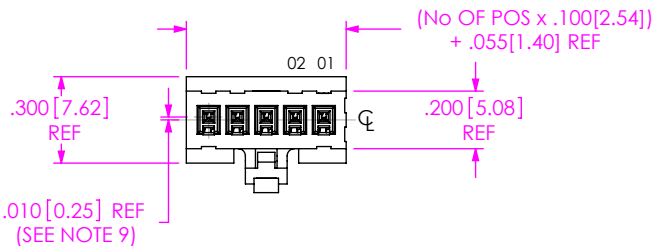


FIG 1
 MMSS-05-22-X-XX.XX-S SHOWN

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

SERIES	WIRE GAUGE	CABLE	CONTACT	"A"
MMSS	20 AWG	DWC-20-XX-300	C-179-03-X	.128 [3.25]
MMSS	22 AWG	DWC-22-XX-300	C-179-03-X	.128 [3.25]
MMSS	24 AWG	DWC-24-XX-300	C-179-03-X	.128 [3.25]
MMSS	26 AWG	DWC-26-XX-300	C-179-02-X	.133 [3.38]
MMSS	28 AWG	DWC-28-XX-300	C-179-02-X	.133 [3.38]
MMSS	30 AWG	DWC-30-XX-300	C-179-02-X	.133 [3.38]
MMSST	20AWG	DWCT-20-XX-TC	C-179-03-X	.128 [3.25]
MMSST	24AWG	DWCT-24-XX-TC	C-179-03-X	.128 [3.25]
MMSST	28AWG	DWCT-28-XX-TC	C-179-04-X	.128 [3.25]
MMSST	30AWG	DWCT-30-XX-TC	C-179-04-X	.128 [3.25]

COLOR										
	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GRAY	WHITE	BLACK
DWC-XX-01-300	DWC-XX-02-300	DWC-XX-03-300	DWC-XX-04-300	DWC-XX-05-300	DWC-XX-13-300	DWC-XX-07-300	DWC-XX-08-300	DWC-XX-09-300	DWC-XX-10-300	
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					

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

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

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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:
 .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 1 OF 3

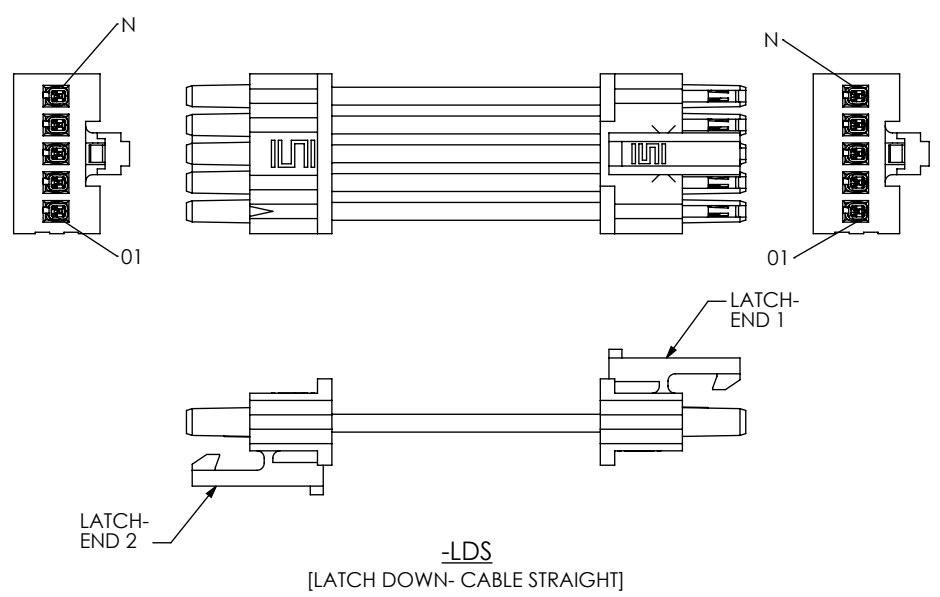
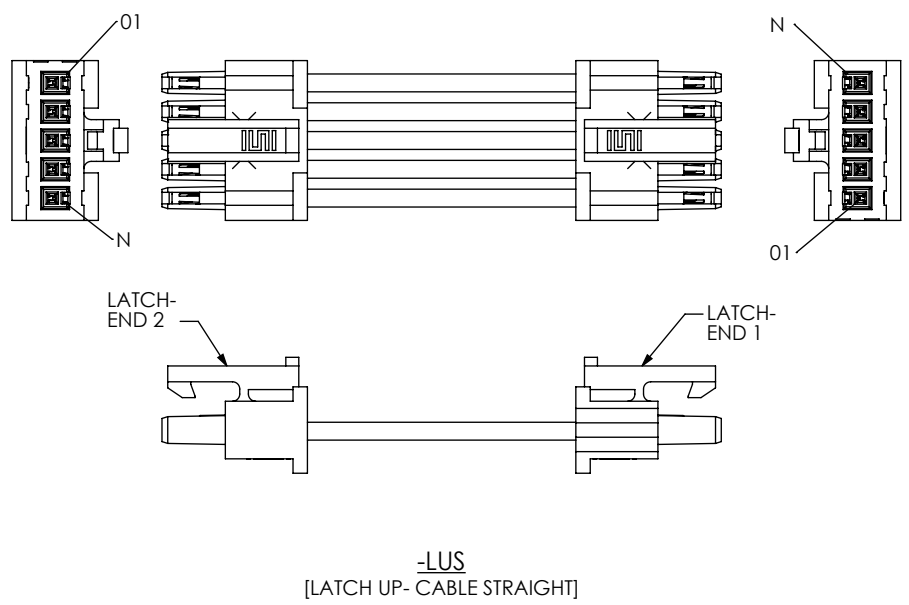
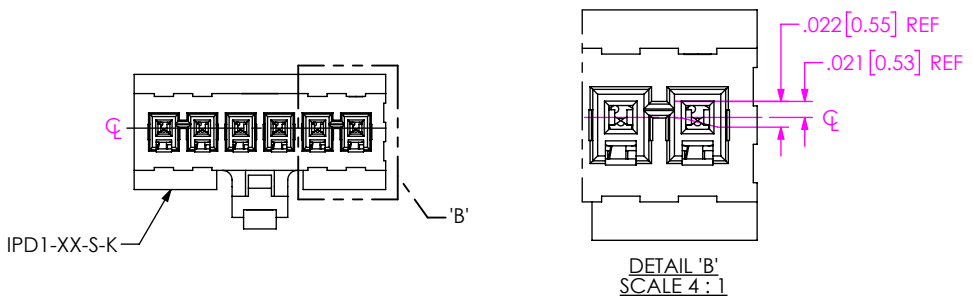


FIG 3

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



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DO NOT SCALE DRAWING
SHEET SCALE: 1.5:1

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

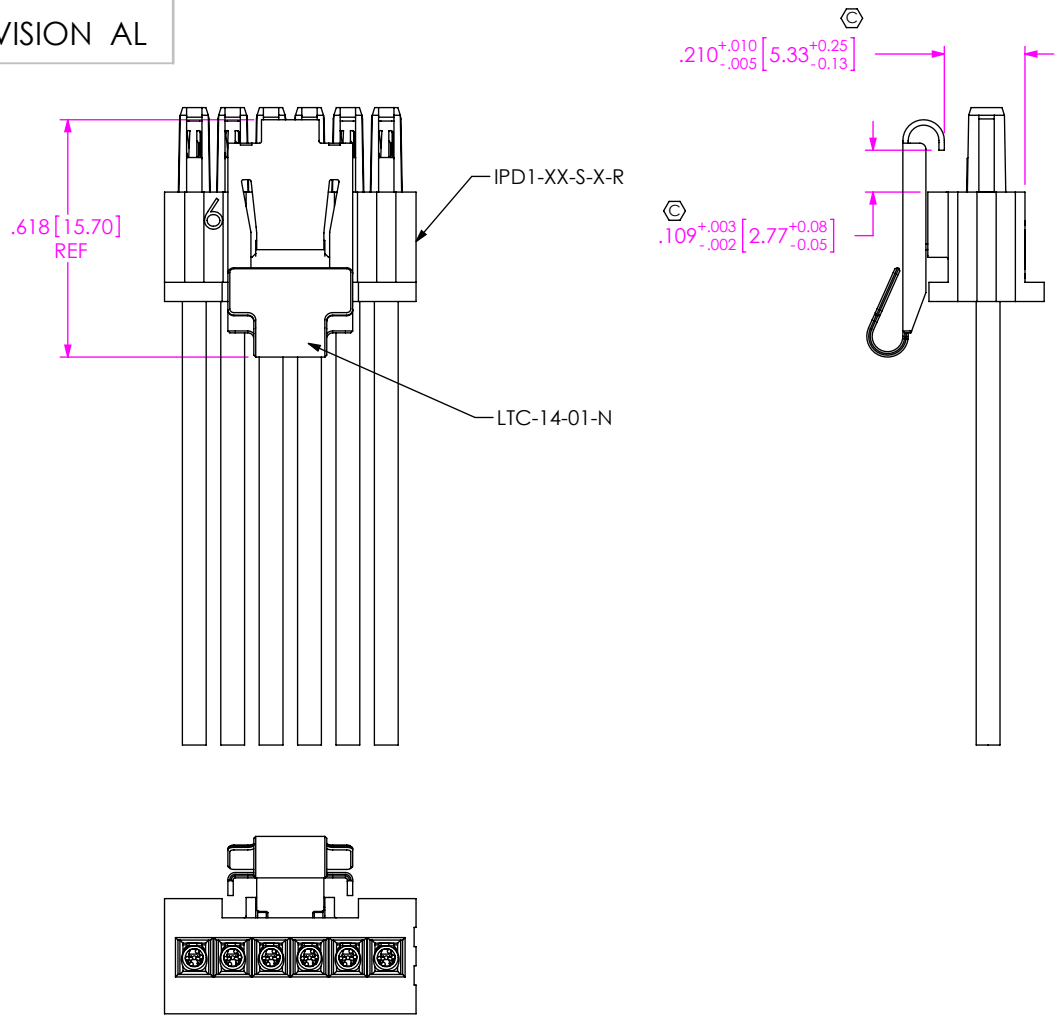
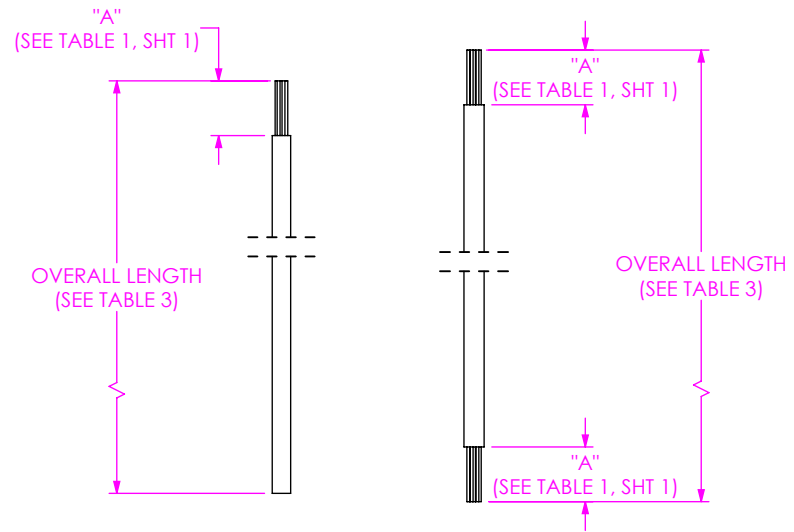


FIG 4
(MMSSX-06-XX-X-XX.XX-S-M SHOWN)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



-S: SINGLE END -D: DOUBLE END

CABLE CUT IN-PROCESS

TABLE 3 (OVERALL LENGTH SUBTRACTORS) (SEE NOTE 14)	
	LENGTH
-S: SINGLE END	.250 [6.35]
-D: DOUBLE END	.500 [12.70]

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DO NOT SCALE DRAWING

SHEET SCALE: 1:1



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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