

DO NOT SCALE FROM THIS PRINT

- NOTES:
1.  $\text{\textcircled{C}}$  REPRESENTS A CRITICAL DIMENSION.
  2. BURR ALLOWANCE: .003[.08] MAX.
  3. PARTS TO BE MOLDED TO POSITION.
  4. MINIMUM PULLOUT FORCE: 5 lbf[22.24 N].
  5. CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
  6. FOLLOW CO-RF-WI-3001-M AND SAMTEC PACKAGING STANDARDS.
  7. ONLY AVAILABLE IN TIN PLATING.
  8. ALL PARTS TO PASS ELECTRICAL TEST UPON ASSEMBLY (INCLUDING HI-POT TEST AT 1000 VOLTS DC). AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH 1 LABEL-ET STAMP ON THE BODY.
  9. APPLICATIONS INVOLVING SEVERE BENDING REQUIRE 6" MINIMUM CABLE LENGTH.
  10. REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING AND ITS REQUIREMENTS.
  11. NOTE DELETED.
  12. FOR LENGTHS LESS THAN 12 IN, TOLERANCE SHALL BE  $\pm .125$ [3.18]. FOR OTHER LENGTHS, TOLERANCES SHALL BE  $\pm 2\%$ .
  13. AVAILABLE TO EXISTING CUSTOMERS ONLY. DO NOT DESIGN IN AS OF REVISION H.
  14. -203 USES 20 GAGE 300 VOLT CABLE.
  15. AVAILABLE ONLY AS AN ASO.
  16. -206 USES 20 GAGE 600 VOLT CABLE.
  17. AVAILABLE TO EXISTING CUSTOMERS ONLY. DO NOT DESIGN AS OF REVISION T.
  18. ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.

PMSSX-XX-XXXX-X-XX.XX-X-XXX

FEP CABLE OPTION  
 -T: FEP INSULATION  
 (LEAVE BLANK FOR STANDARD PVC INSULATION)  
 (SEE NOTE 18)

No OF POSITIONS  
 -02 THRU -10  
 WIRE GAUGE (AWG)  
 [SEE TABLE 1]  
 PVC: -16, -18, -206, -203, -22, -24  
 FEP: \*-18, -24

WIRE COLOR  
 LEAVE BLANK FOR ALL BLACK WIRE  
 C: COLOR CODED WIRE  
 (SEE COLOR SEQUENCE TABLE, SHEET 2)  
 (NOT AVAILABLE WITH FEP OPTION)  
 (NOT AVAILABLE FOR TEFLON OPTION, TEFLON CABLE ONLY AVAILABLE IN BLUE)

LEAD STYLE  
 -SP: STANDARD POWER (C-169-XX-SP-T)  
 \*(SEE NOTE 17)  
 -HP: HIGH POWER (C-169-XX-HP-T)  
 \*(SEE NOTE 13)  
 -K: KEYED POLARIZATION (C-169-XX-SP-T)  
 (USE IPBD-XX-S-K-X) (SEE FIG. 6, SHEET 3)  
 (LEAVE BLANK FOR NO POLARIZATION;  
 AVAILABLE TO EXISTING CUSTOMERS ONLY)

\*AVAILABLE TO EXISTING CUSTOMERS ONLY

OPTION  
 SINGLE  
 -M: METAL LATCH (USE IPBD-XX-S-X-M)  
 (LEAVE BLANK FOR PLASTIC)  
 DOUBLE  
 -LUS: PLASTIC LATCH UP, STRAIGHT  
 (SEE FIG 3, SHEET 2)  
 -LDS: PLASTIC LATCH DOWN, STRAIGHT  
 (SEE FIG.4, SHEET 2)  
 -MUS: METAL LATCH UP, STRAIGHT  
 -MDS: METAL LATCH DOWN, STRAIGHT

END OPTION  
 -S: SINGLE END  
 -D: DOUBLE END  
 (MUST CHOOSE LUS, LDS, MUS,  
 OR MDS OPTIONS)

ASSEMBLED LENGTH  
 SPECIFY IN INCHES (.03.00 INCH MINIMUM)  
 [USE DWCX-XX-XX-XXX]

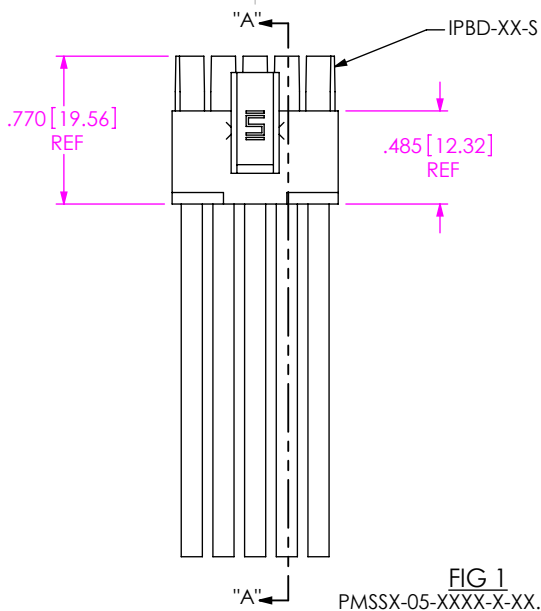
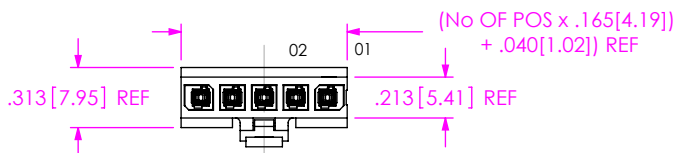
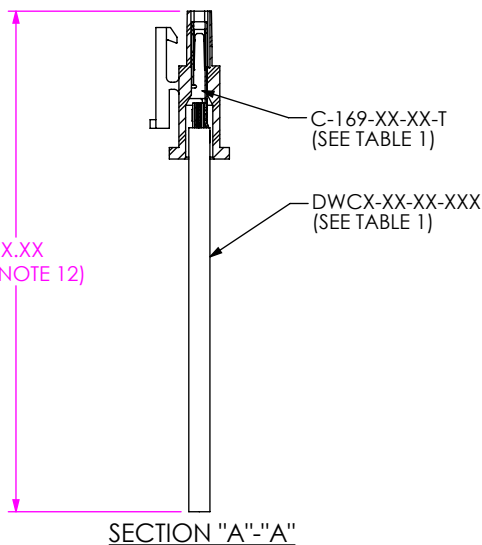


FIG 1  
 PMSSX-05-XXXX-X-XX.XX-S SHOWN



SECTION "A"-"A"

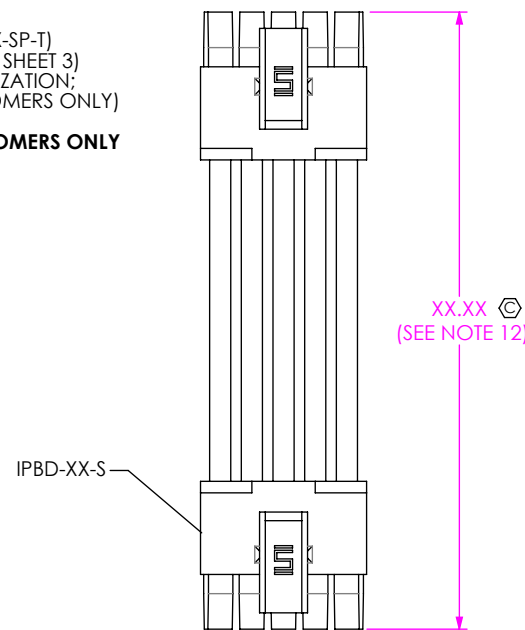
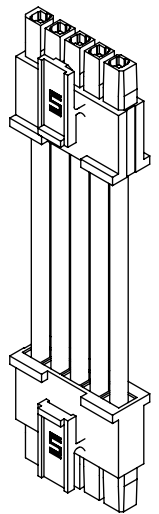


FIG 2  
 -LUS: PLASTIC LATCH UP, STRAIGHT  
 PMSSX-05-XXXX-X-XX.XX-D-LUS SHOWN  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



\*AVAILABLE TO EXISTING CUSTOMERS ONLY  
 \*\* SEE NOTES 14 & 15  
 \*\*\* SEE NOTE 16

TABLE 1			
SERIES	CABLE AWG	CABLE	CONTACT
PMSS	16 AWG	DWC-16-XX-600	C-169-03-XX-T
PMSS	18 AWG	DWC-18-XX-600	C-169-03-XX-T
PMSS	***206 AWG	DWC-20-XX-600	C-169-03-XX-T
PMSS	**203 AWG	DWC-20-XX-300	C-169-02-XX-T
PMSS	22 AWG	DWC-22-XX-300	C-169-02-XX-T
PMSS	24 AWG	DWC-24-XX-300	C-169-02-XX-T
PMSST	*18 AWG	DWCT-18-01	C-169-03-XX-T
PMSST	24 AWG	DWCT-24-01-TC	C-169-04-XX-T

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.  
 TOLERANCES ARE:  
 DECIMALS ANGLES  
 .XX:  $\pm .01$  [.3] 2°  
 .XXX:  $\pm .005$  [.13]  
 .XXXX:  $\pm .0020$  [.051]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:1  
 HOUSING: VALOX 457, COLOR: NATURAL  
 CONTACT: PHOS BRONZE  
 CABLE: INSULATION: SEE CALLOUT  
 WIRE: SEE CABLE PRINT  
 (NOT LEAD FREE)  
 F:\DWG\MISC\MKTG\PMSSX-XX-XXXX-X-XX.XX-X-XXX-MKT.SLDDRW



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

DESCRIPTION:  
 .165[4.19] SOCKET DISCRETE CABLE ASSEMBLY  
 DWG. NO.  
 PMSSX-XX-XXXX-X-XX.XX-X-XXX  
 BY: DEAN P 04/14/2005 SHEET 1 OF 3

FIG 3

-LUS: PLASTIC LATCH UP, STRAIGHT  
 PMSSX-05-XXXX-X-XX.XX-D-LUS SHOWN  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

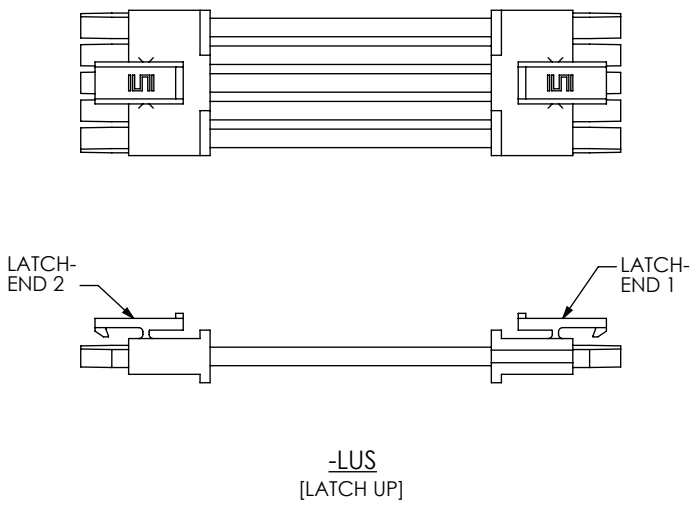
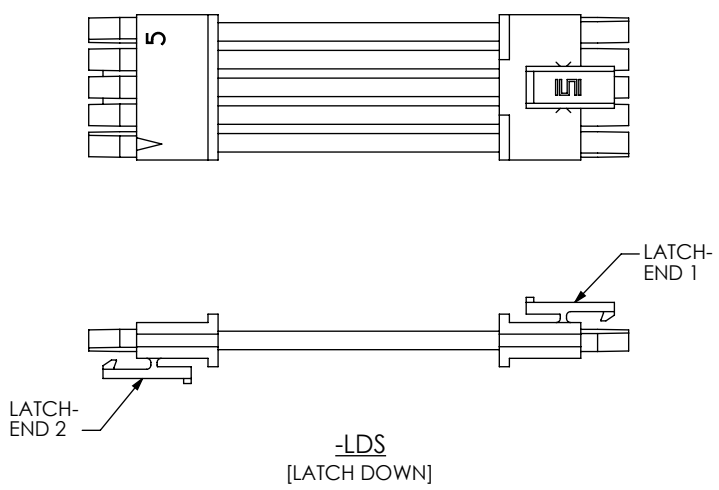


FIG 4

-LDS: PLASTIC LATCH DOWN, STRAIGHT  
 PMSSX-05-XXXX-X-XX.XX-D-LDS SHOWN  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



**PMSS color coded wire sequence**

pin#	color									
	brown	red	orange	yellow	green	blue	violet	gray	white	black
	1	2	3	4	5	6	7	8	9	10

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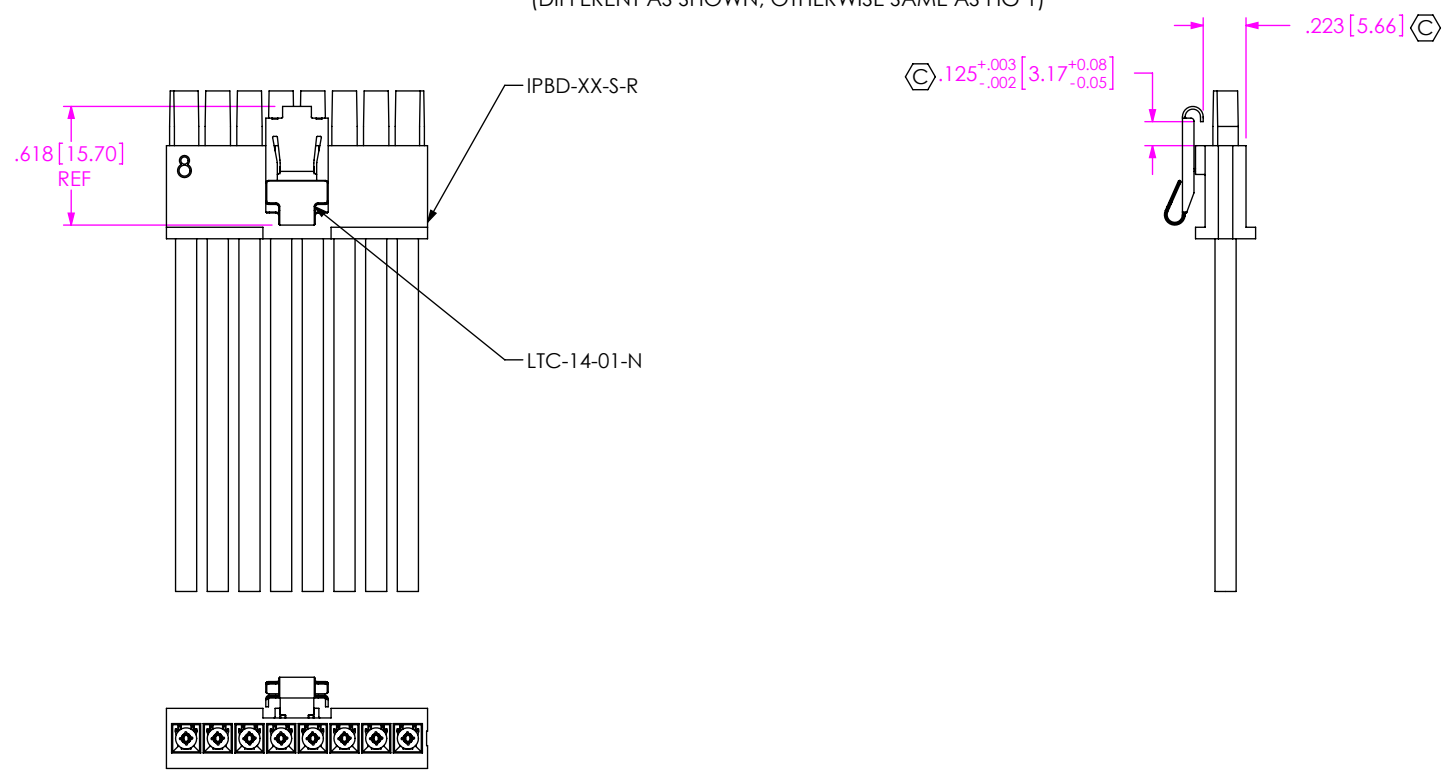
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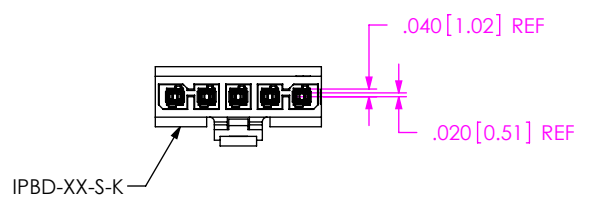
DWG. NO.  
 PMSSX-XX-XXXX-X-XX.XX-X-XXX

BY: DEAN P 04/14/2005 SHEET 2 OF 3

**FIG 5**  
 -M: METAL LATCH  
 PMSSX-08-XXXX-X-XX.XX-S-M SHOWN  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



**FIG 6**  
 -K: KEYED POLARIZATION  
 PMSSX-05-XXXX-K-XX.XX-X-XXX SHOWN  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



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DO NOT SCALE DRAWING  
 SHEET SCALE: 1:1

**samtec**  
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 e-Mail info@SAMTEC.com code 55322

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