

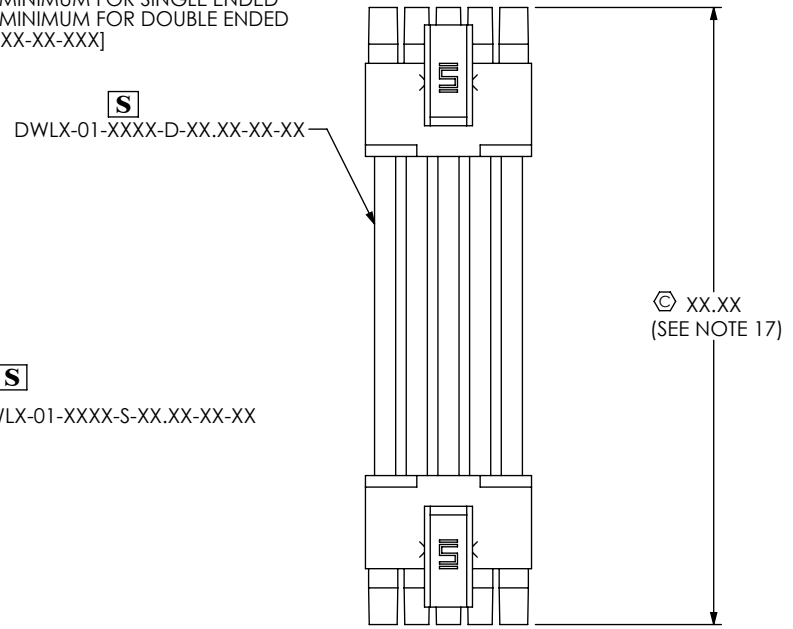
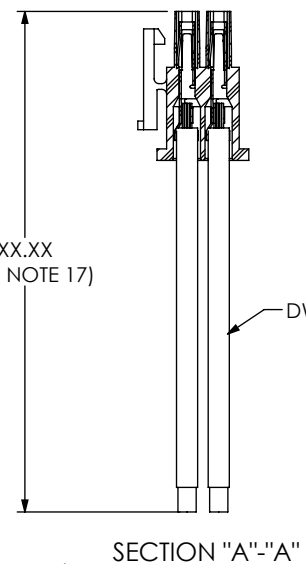
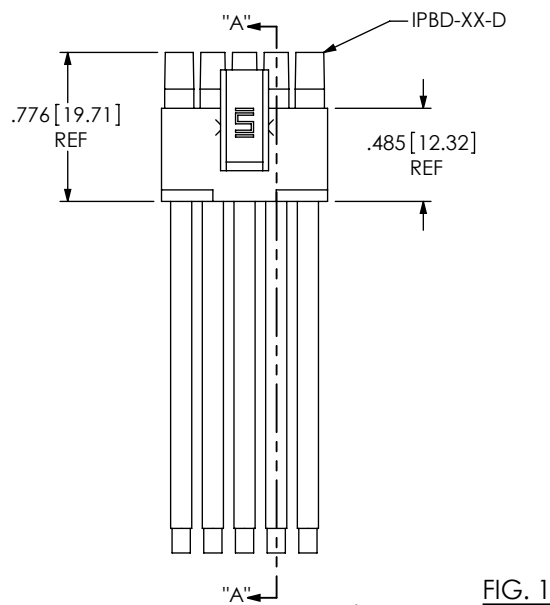
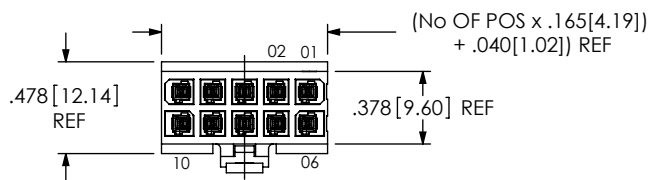
**REVISION S**

- NOTES:
- ⊕ REPRESENTS A CRITICAL DIMENSION.
  - BURR ALLOWANCE: .003[.08] MAX.
  - PARTS TO BE MOLDED TO POSITION.
  - MINIMUM PIN PULLOUT FORCE: 5.000LB[22.24N].
  - CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
  - ALL FINISHED GOODS ARE TO BE LAYER PACKAGED IN SHIPPING.
  - ONLY AVAILABLE IN TIN PLATING.**
  - 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.
  - APPLICATIONS INVOLVING SEVERE BENDING REQUIRE 6" MINIMUM CABLE LENGTH.
  - DELETED.
  - DELETED.
  - 203 USES 20 GAGE 300 VOLT CABLE.
  - AVAILABLE ONLY AS AN ASO.
  - 206 USES 20 GAGE 600 VOLT CABLE.
  - MINIMUM METAL LATCH RETENTION FORCE: 1.000LB[4.45N].
  - FOR CRIMP DIMENSIONS SEE DWL-01-XXXX-X-XX.XX-XX-XX FOR PVC APPLICATIONS OR DWLX-01-XXXX-X-XX.XX-XX-XX FOR PTFE APPLICATIONS.
  - FOR LENGTHS LESS THAN 12 IN, TOLERANCE SHALL BE ±.125[3.18]. FOR OTHER LENGTHS, TOLERANCES SHALL BE ±2%.
  - AVAILABLE TO EXISTING CUSTOMERS ONLY, DO NOT DESIGN AS OF REVISION P.

**PMSDX-XX-XXXX-XX-XX.XX-X-XXX**

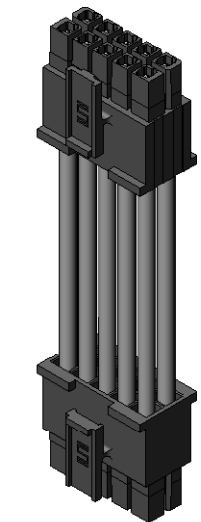
- FEP CABLE OPTION**  
 \*\*\*-T: FEP (LEAVE BLANK FOR STANDARD PVC INSULATION)
- No OF POSITIONS**  
 -02 THRU -15 (PER ROW)
- WIRE GAUGE (AWG)**  
 -16, -18, -206, -203, -22, -24
- COLOR CODE**  
 LEAVE BLANK FOR ALL BLACK WIRE  
 C: COLOR CODED WIRE, SEE COLOR SEQUENCE TABLE, SHEET 3 (NOT AVAILABLE WITH FEP OPTION)
- LEAD STYLE**  
 -SP: STANDARD POWER (C-169-XX-SP-T)  
 -HP: HIGH POWER (C-169-XX-HP-T) (SEE NOTE 18)
- ASSEMBLED LENGTH**  
 SPECIFY IN INCHES  
 3.00 INCHES MINIMUM FOR SINGLE ENDED  
 3.50 INCHES MINIMUM FOR DOUBLE ENDED [USE DWCX-XX-XX-XXX]
- OPTION**
- SINGLE**  
 -M: METAL LATCH (USE IPBD-XX-D-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
- END OPTION**  
 -S: SINGLE END  
 -D: DOUBLE END (MUST CHOOSE LUS, LDS, LUX, LDX, MUS, MDS, MUX, OR MDX)
- \*\*\* NOT RELEASED FOR PRODUCTION**

DO NOT SCALE FROM THIS PRINT



**TABLE 1**

SERIES	CABLE AWG	CABLE	CONTACT
PMSD	16 AWG	DWC-16-10-600	C-169-03-XX-T
PMSD	18 AWG	DWC-18-10-600	C-169-03-XX-T
PMSD	**206 AWG	DWC-20-10-600	C-169-03-XX-T
PMSD	*203 AWG	DWC-20-10-300	C-169-02-XX-T
PMSD	22 AWG	DWC-22-10-300	C-169-02-XX-T
PMSD	24 AWG	DWC-24-10-300	C-169-02-XX-T
PMSDT	18 AWG	DWCT-18-01	C-169-03-XX-T
PMSDT	24 AWG	DWCT-24-01	C-169-04-XX-T



\* SEE NOTES 12 & 13  
 \*\* SEE NOTE 14

\*\*\* = NOT RELEASED FOR PRODUCTION  
 F:\DWG\MISC\MKTG\PMSDX-XX-XXXX-XX-XX-X-XXX-MKT.SLDDRW

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.  
 TOLERANCES ARE:  
 DECIMALS ANGLES  
 .XX: ±.01 [.3] 2°  
 .XXX: ±.005 [.13]  
 .XXXX: ±.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 CALE PRINT (NOT LEAD FREE)  
 METAL LATCH: NICKEL-PLATED BeCu, #25, 1/2 HT

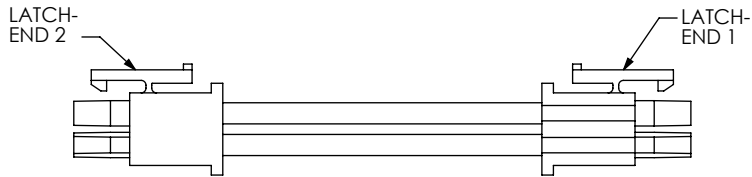
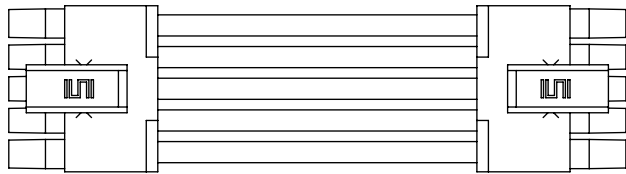
**samtec**

520 PARK EAST BLVD, NEW ALBANY, IN 47150  
 PHONE: 812-944-6733 FAX: 812-948-5047  
 e-Mail: info@SAMTEC.com code: 5332

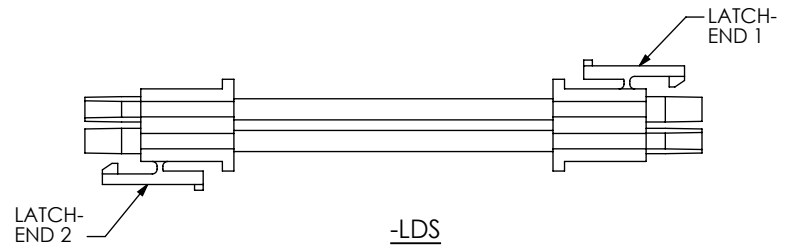
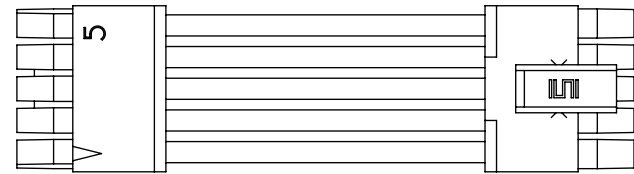
DESCRIPTION:  
 .165[4.19] SOCKET DISCREET CABLE ASSEMBLY

DWG. NO.  
**PMSDX-XX-XXXX-XX-XX.XX-X-XXX**

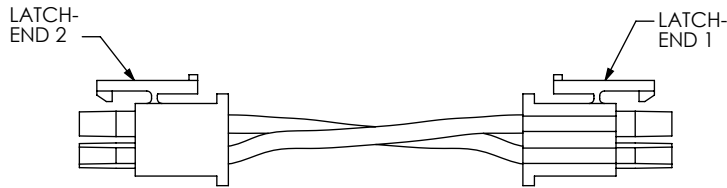
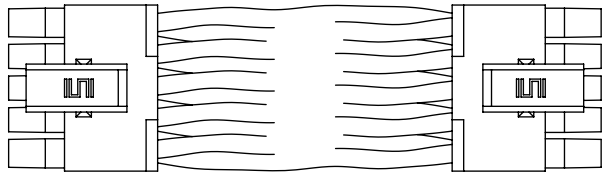
BY: DEAN P 07/28/2004 SHEET 1 OF 3



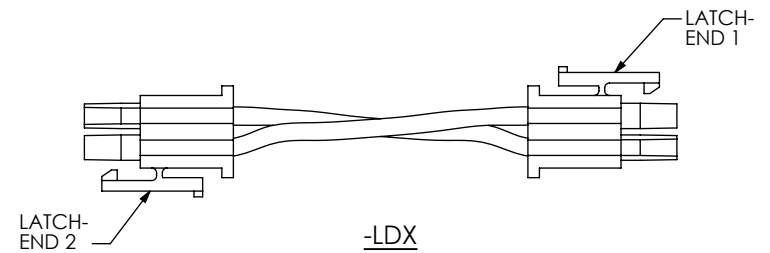
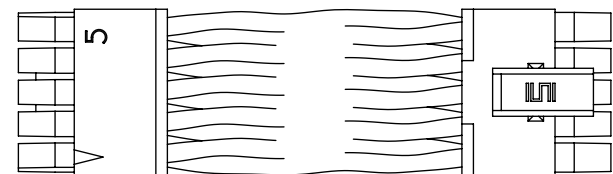
**-LUS**  
[LATCH UP- CABLE STRAIGHT]



**-LDS**  
[LATCH DOWN- CABLE STRAIGHT]



**-LUX**  
[LATCH UP- CABLE CROSSED]



**-LDX**  
[LATCH DOWN- CABLE CROSSED]

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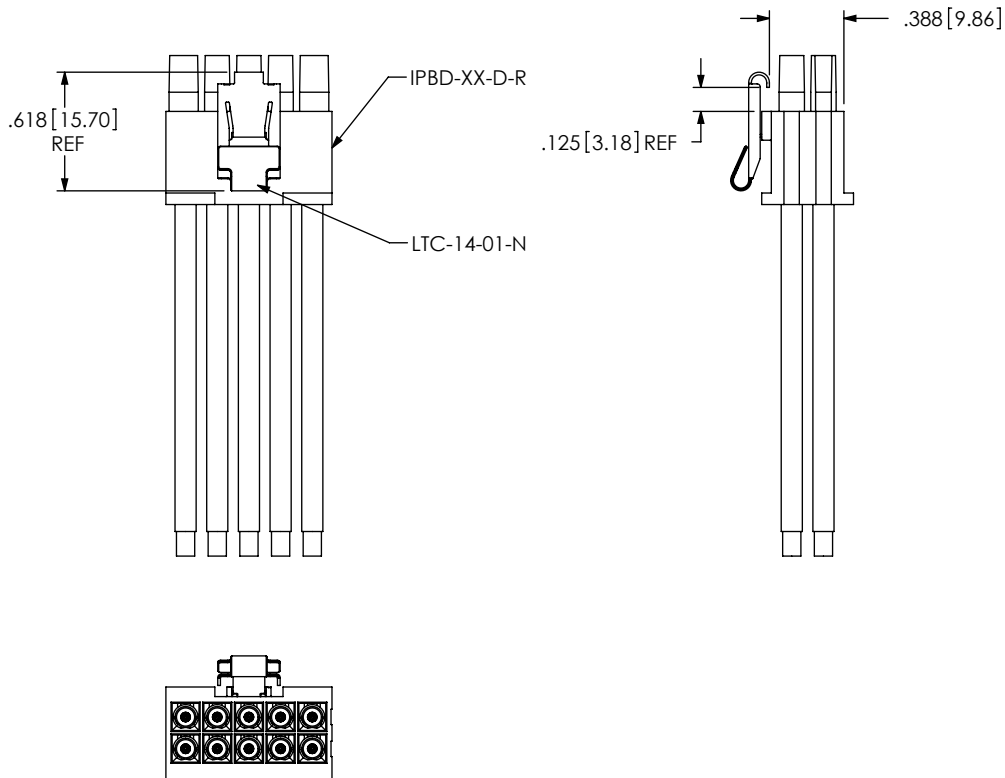
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SHEET SCALE: 1:1



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

DESCRIPTION:  
.165[4.19] SOCKET DISCREET CABLE ASSEMBLY  
DWG. NO.  
PMSDX-XX-XXXX-XX-XX.XX-X-XXX  
BY: DEAN P 07/28/2004 SHEET 2 OF 3

**FIG. 3**  
 (PMSDX-05-XXX-XX-XX.XX-S-M SHOWN)  
 (SAME AS FIG. 1, UNLESS OTHERWISE STATED)



**PMSD 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	
11	12	13	14	15	16	17	18	19	20	
21	22	23	24	25	26	27	28	29	30	

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 .165[4.19] SOCKET DISCREET CABLE ASSEMBLY

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

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