

NOTES:

1. (C) REPRESENTS A CRITICAL DIMENSION.
2. BURR ALLOWANCE: .003[.08] MAX.
3. PARTS TO BE MOLDED TO POSITION.
4. MINIMUM PIN PULLOUT FORCE: 5.000LB[22.24N].
5. CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
6. ALL FINISHED GOODS ARE TO BE LAYER PACKAGED IN SHIPPING.
7. **ONLY AVAILABLE IN TIN PLATING.**
8. ALL PARTS TO PASS ELECTRICAL TEST UPON ASSEMBLY (INCLUDING HI-POT TEST AT 1000 VOLTS DC).
9. APPLICATIONS INVOLVING SEVERE BENDING REQUIRE 6" MINIMUM CABLE LENGTH.
10. DELETED.
11. DELETED.
12. -203 USES 20 GAGE 300 VOLT CABLE.
13. AVAILABLE ONLY AS AN ASO.
14. -206 USES 20 GAGE 600 VOLT CABLE.
15. MINIMUM METAL LATCH RETENTION FORCE: 1.000LB[4.45N].
16. SEE DWL-01-XXX-X-XX.XX-XX-XX OR DWLT-01-XX-X-XX.XX-XX-XX FOR CRIMP DIMENSIONS.
17. FOR LENGTHS LESS THAN 12 IN, TOLERANCE SHALL BE ±.125[3.18]. FOR OTHER LENGTHS, TOLERANCES SHALL BE ±2%.

DO NOT SCALE FROM THIS PRINT

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

TEFLON CABLE OPTION
 ***-T: TEFLON (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 TEFLON OPTION)

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, OR LDX)

*** NOT RELEASED FOR PRODUCTION

LEAD STYLE
 -SP: STANDARD POWER (C-169-XX-SP-T)
 -HP: HIGH POWER (C-169-XX-HP-T)

ASSEMBLED LENGTH
 SPECIFY IN INCHES
 3.00 INCHES MINIMUM FOR SINGLE ENDED
 3.50 INCHES MINIMUM FOR DOUBLE ENDED [USE DWCX-XX-XX-XXX]

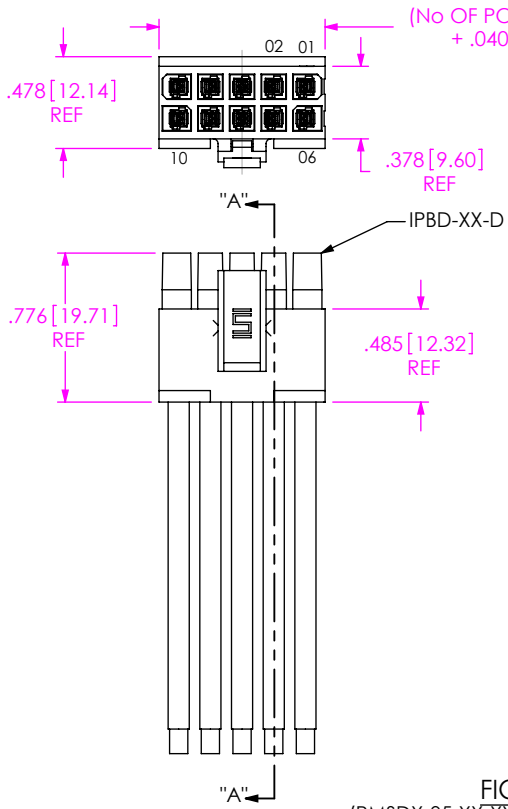
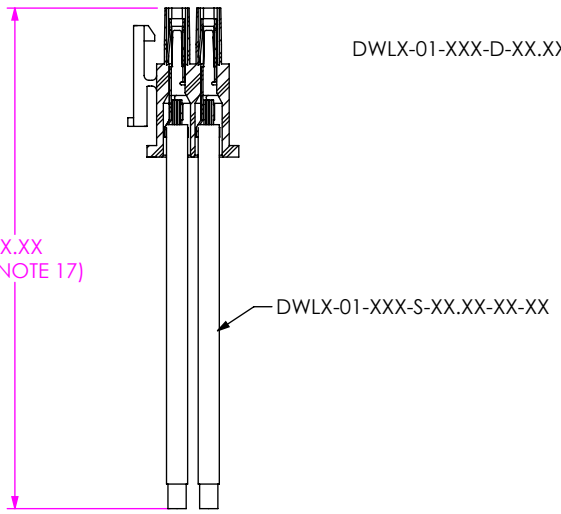


FIG. 1 (PMSDX-05-XX-XX-XX.XX-S SHOWN)



SECTION "A"-"A"

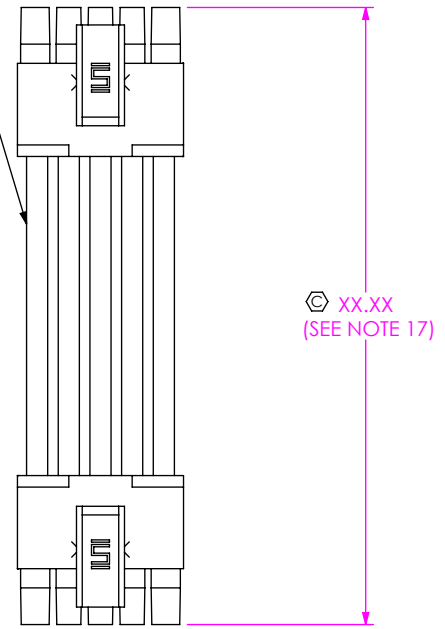
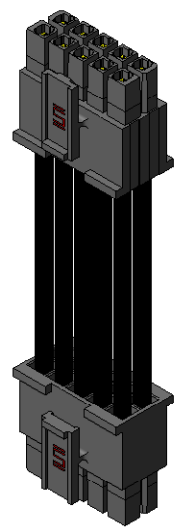


FIG. 2 (PMSDX-05-XX-XX-XX.XX-D-LUS SHOWN) (SAME AS FIG. 1, UNLESS OTHERWISE STATED)



* SEE NOTES 12 & 13
 ** SEE NOTE 14

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-169-02-XX-T

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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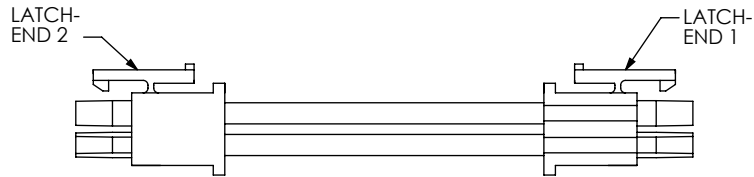
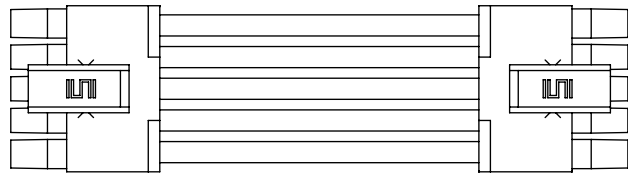
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:1
 HOUSING: VALOX 457, COLOR: NATURAL
 CONTACT: PHOS BRONZE
 CABLE: INSULATION: SEE CALLOUT
 WIRE: SEE CALE PRINT (NOT LEAD FREE)
 METAL LATCH: NICKEL-PLATED BeCu, #25, 1/2 HT

samtec
 520 PARK EAST BLVD, NEW ALBANY, IN 47150
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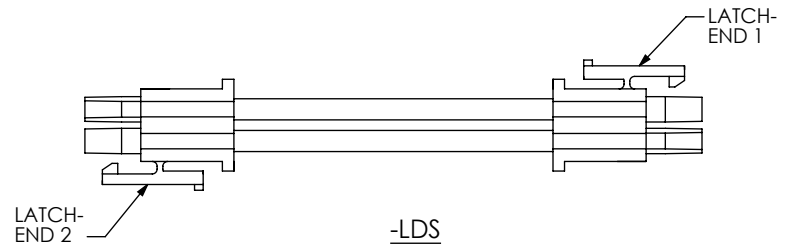
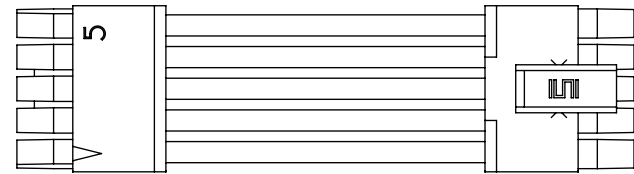
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 .165[4.19] SOCKET DISCREET CABLE ASSEMBLY

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

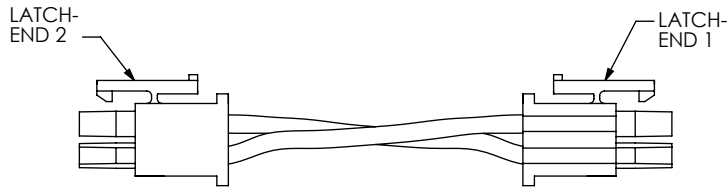
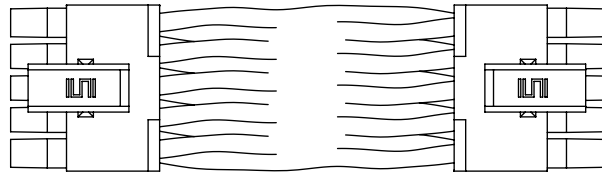
BY: DEAN P 07/28/2004 SHEET 1 OF 3



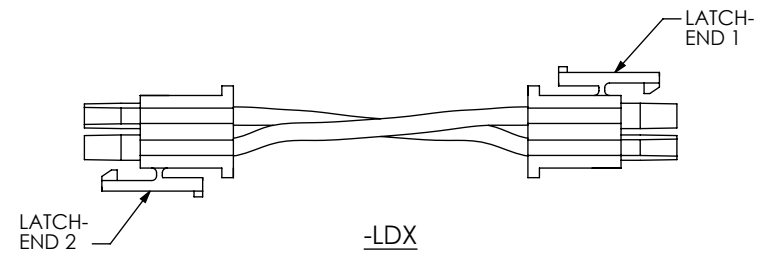
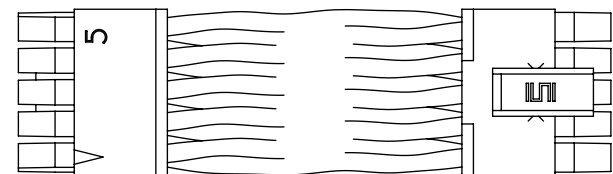
-LUS
[LATCH UP- CABLE STRAIGHT]



-LDS
[LATCH DOWN- CABLE STRAIGHT]



-LUX
[LATCH UP- CABLE CROSSED]



-LDX
[LATCH DOWN- CABLE CROSSED]

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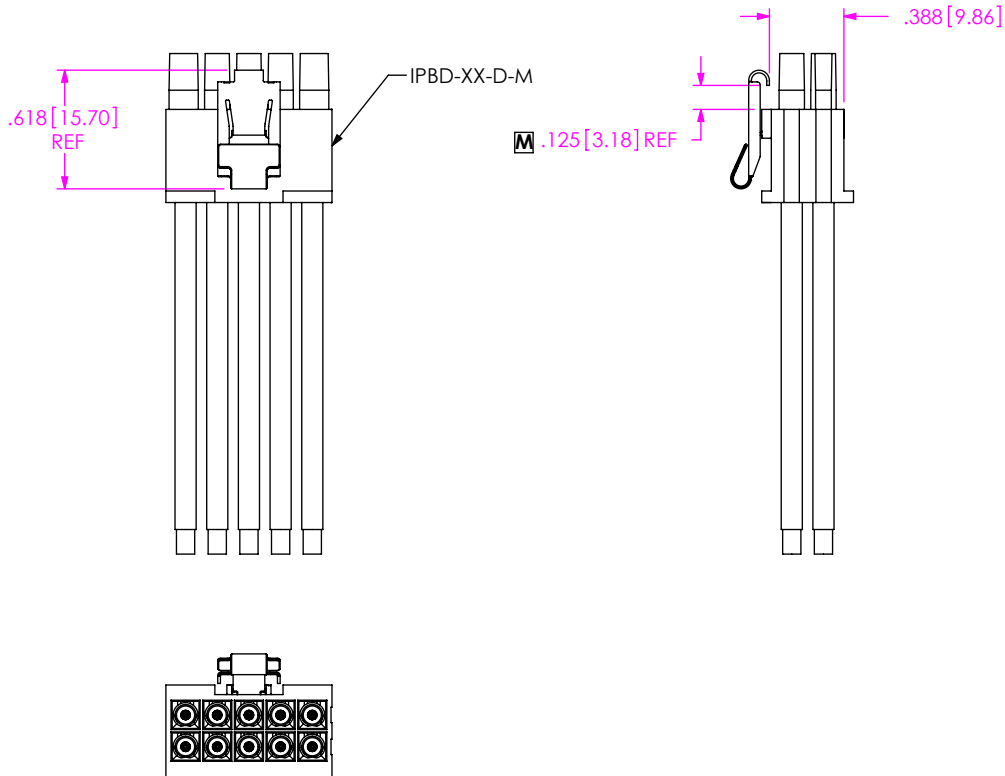
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.165[4.19] SOCKET DISCREET CABLE ASSEMBLY

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)

NOT RELEASED FOR PRODUCTION




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

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