REVISION T

NOTES:
1. ⓒ 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). AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH 1 LABEL-ET.
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. 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 FEP APPLICATIONS.
17. FOR LENGTHS LESS THAN 12 IN, TOLERANCE SHALL BE Ñ.125[3.18]. FOR OTHER LENGTHS, TOLERANCES SHALL BE Ñ2%.
18. 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)
[T] PVC: -16, -18, -206, -203, -22, -24
FEP: -18, *** -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]

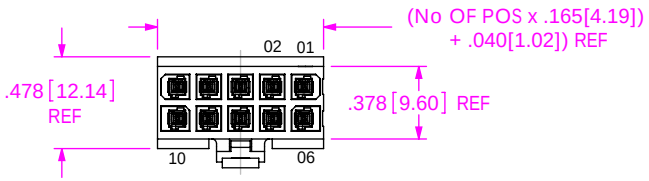
OPTION

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



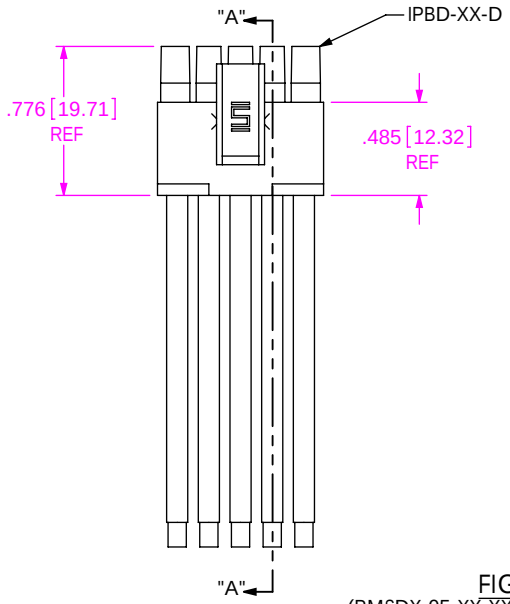
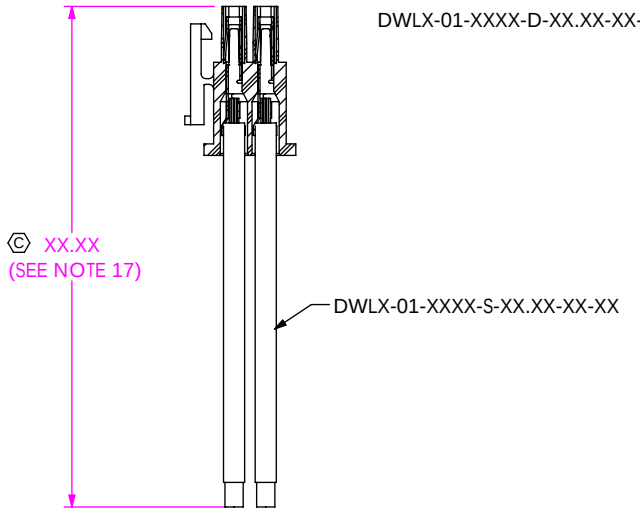


FIG. 1
(PMSDX-05-XX-XX-XX.XX-S SHOWN)



SECTION "A"-"A"

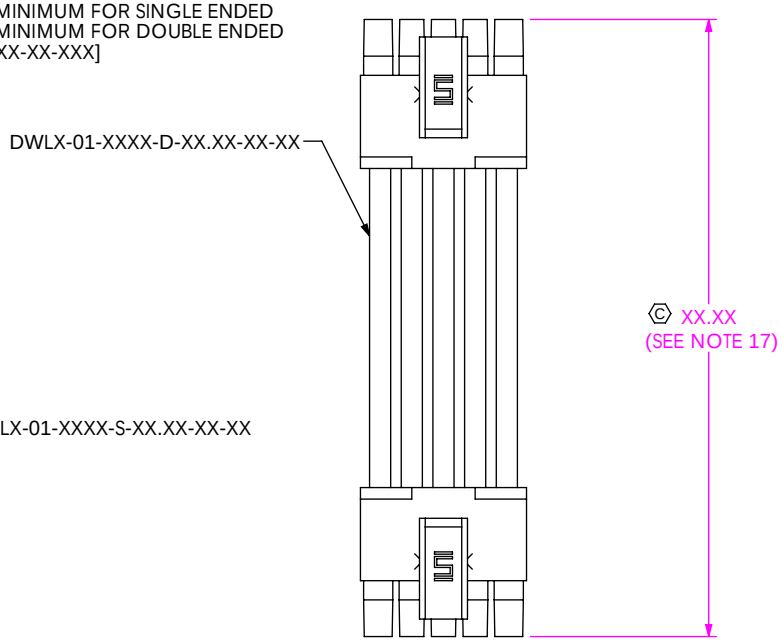
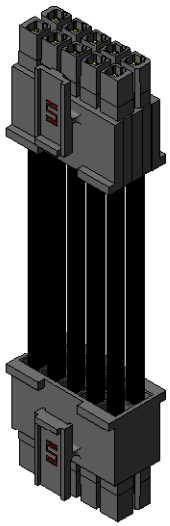


FIG. 2
(PMSDX-05-XX-XX-XX.XX-D-LUS SHOWN)
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)



* 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-169-04-XX-T

***** = NOT RELEASED FOR PRODUCTION**

c:\enterprisevault\DWG\MISC\MKTG\PMSDX-XX-XXXX-XX-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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520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

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

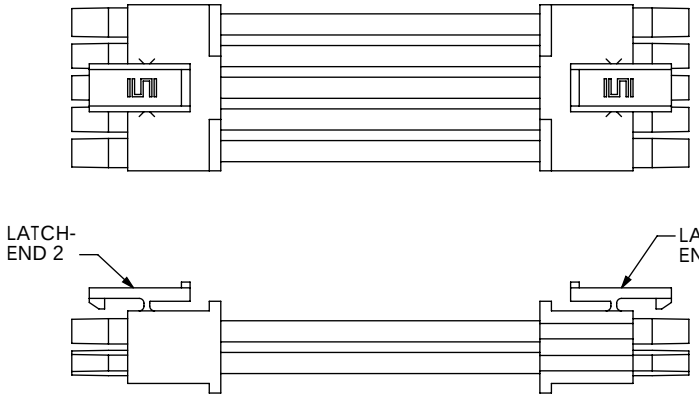
HOUSING: VALOX 457, COLOR: NATURAL
CONTACT: PHOS BRONZE
CABLE; INSULATION: SEE CALLOUT
WIRE: SEE CALE PRINT (NOT LEAD FREE)
METAL LATCH: NICKEL-PLATED BeCu, #25, 1/2 HT

DESCRIPTION:
.165[4.19] SOCKET DISCREET CABLE ASSEMBLY

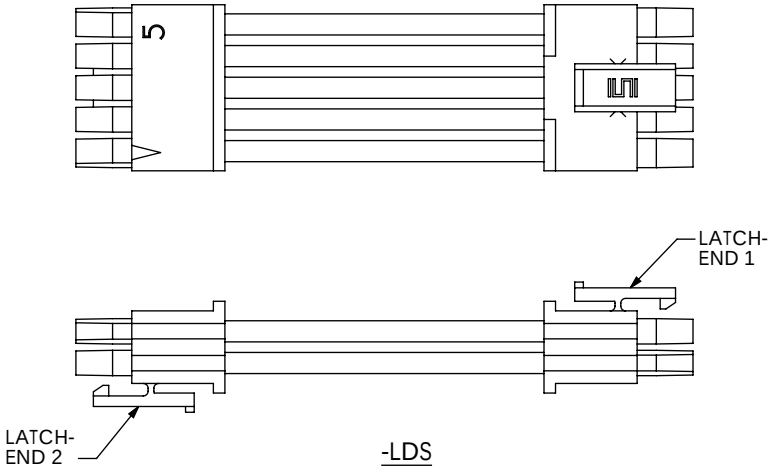
DWG. NO.
PMSDX-XX-XXXX-XX-XX.XX-X-XXX

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

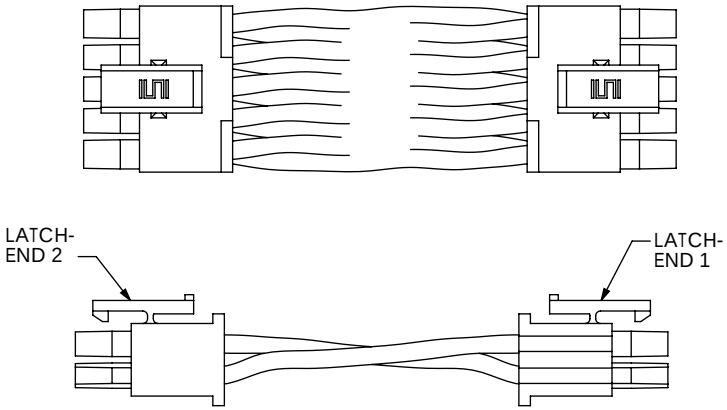
REVISION T



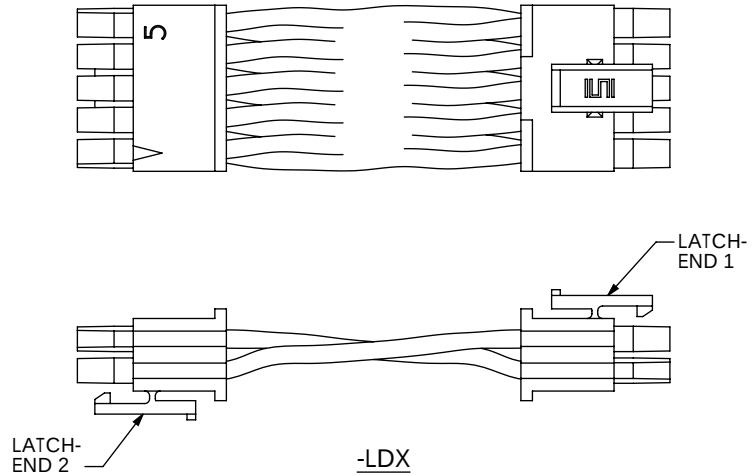
-LUS
[LATCH UP- CABLE STRAIGHT]



-LDS
[LATCH DOWN- CABLE STRAIGHT]



-LUX
[LATCH UP- CABLE CROSSED]



-LDX
[LATCH DOWN- CABLE CROSSED]

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PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
.165[4.19] SOCKET DISCREET CABLE ASSEMBLY

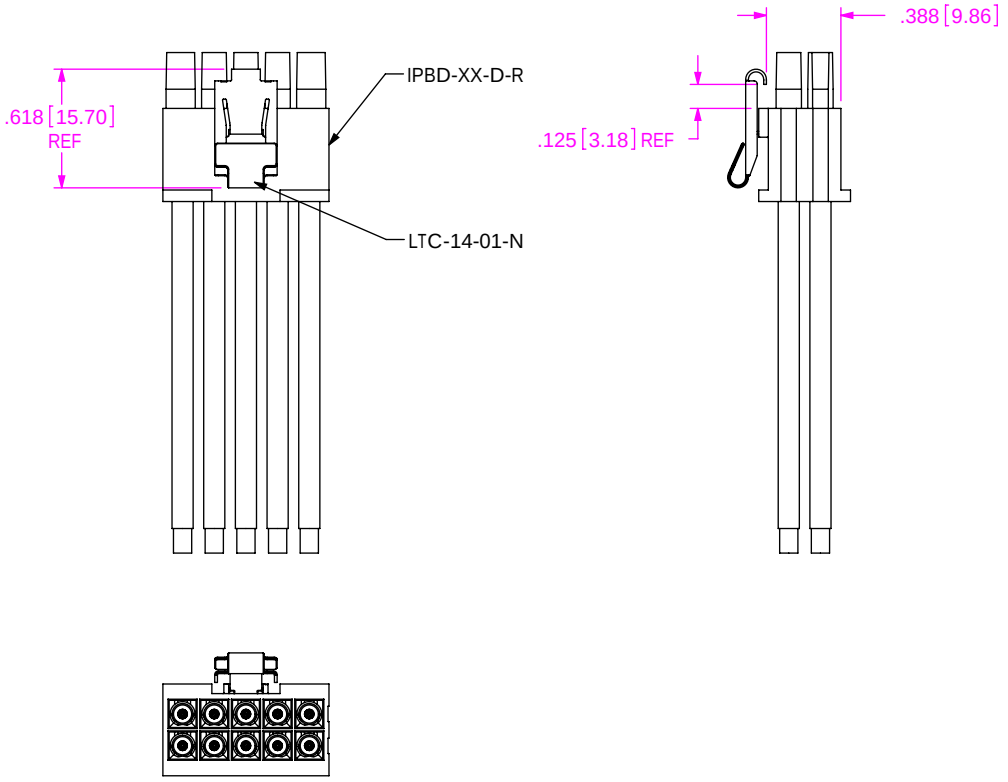
DWG. NO.
PMSDX-XX-XXXX-XX-XX.XX-X-XXX

BY: DEAN P 07/28/2004 SHEET 2 OF 3

c:\enterprisevault\DWG\MISC\MKTG\PMSDX-XX-XXXX-XX-XX.XX-X-XXX-MKT.SLDDRW

REVISION T

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



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

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