

DO NOT
SCALE FROM
THIS PRINT

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. REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING AND ITS REQUIREMENTS
17. FOR LENGTHS LESS THAN 12 IN, TOLERANCE SHALL BE $\pm .125[3.18]$. FOR OTHER LENGTHS, TOLERANCES SHALL BE $\pm 2\%$.
18. AVAILABLE TO EXISTING CUSTOMERS ONLY, DO NOT DESIGN AS OF REVISION P.
19. AVAILABLE TO EXISTING CUSTOMERS ONLY, DO NOT DESIGN AS OF REVISION Z.

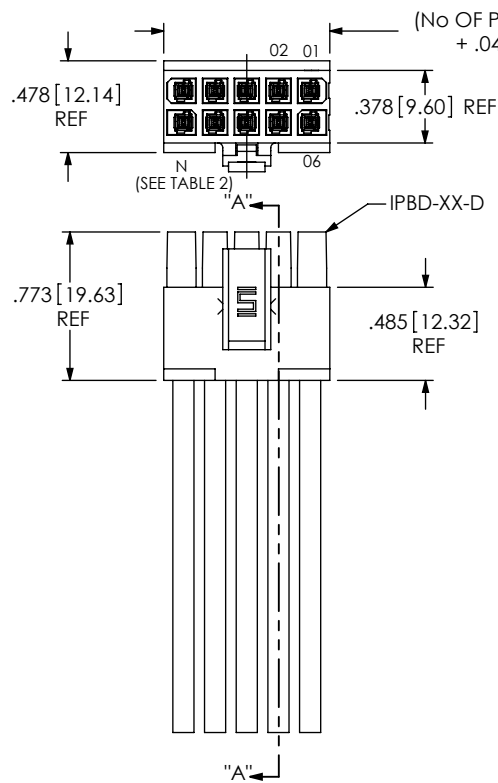
FIG 1
(PMSDX-05-XXXX-X-XX.XX-S SHOWN)

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-TC	C-169-03-XX-T
PMSDT	24 AWG	DWCT-24-01-TC	C-169-04-XX-T

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

PMSDX-XX-XXXX-X-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)

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)

*(SEE NOTE 19)

-HP: HIGH POWER (C-169-XX-HP-T)

*(SEE NOTE 18)

-K: KEYED POLARIZATION (C-169-XX-SP-T)
(USE IPBD-XX-D-K) (SEE FIG 4, SHT 3)

*AVAILABLE TO EXISTING CUSTOMERS ONLY

ASSEMBLED LENGTH
SPECIFY IN INCHES3.00 INCHES MINIMUM FOR SINGLE ENDED
3.50 INCHES MINIMUM FOR DOUBLE ENDED
[USE DWCX-XX-XX-XXX]

END OPTION

-S: SINGLE END

-D: DOUBLE END

(MUST CHOOSE LUS, LDS, LUX, LDX,
MUS, MDS, MUX, OR MDX)XX.XX
(SEE NOTE 17)

SECTION "A"-"A"

Table 2	
No. of Pos	N
-02	4
-03	6
-04	8
-05	10
-06	12
-07	14
-08	16
-09	18
-10	20
-11	22
-12	24
-13	26
-14	28
-15	30

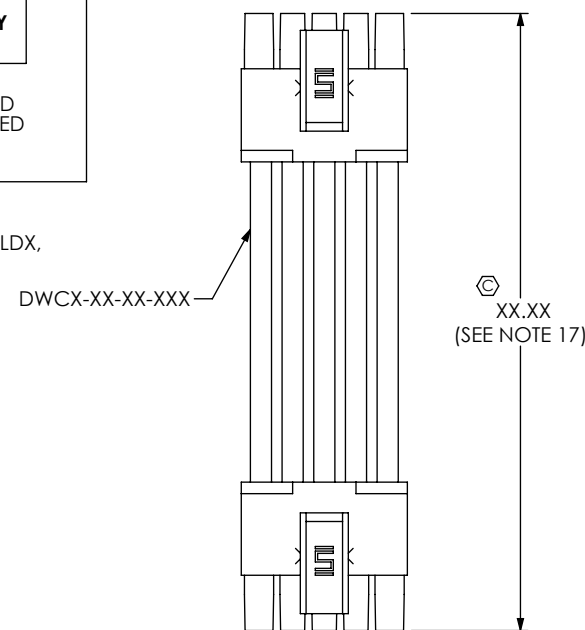
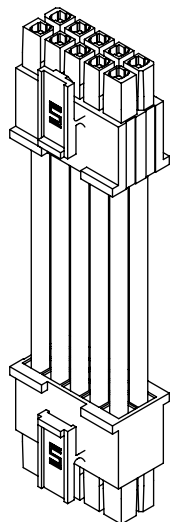
OPTION

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

FIG 2
(PMSDX-05-XXXX-X-XX.XX-D-LUS SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)

* SEE NOTES 12 & 13

** SEE NOTE 14

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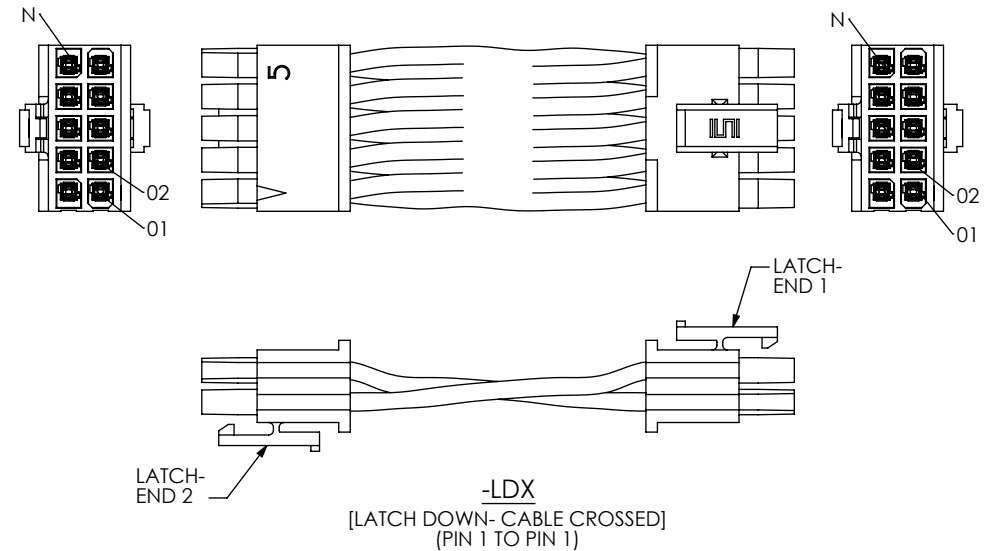
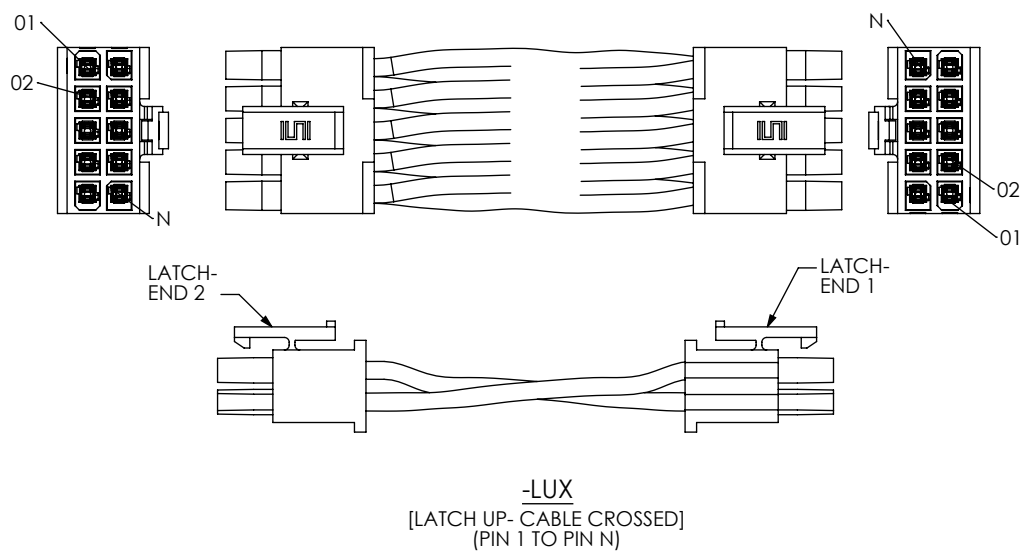
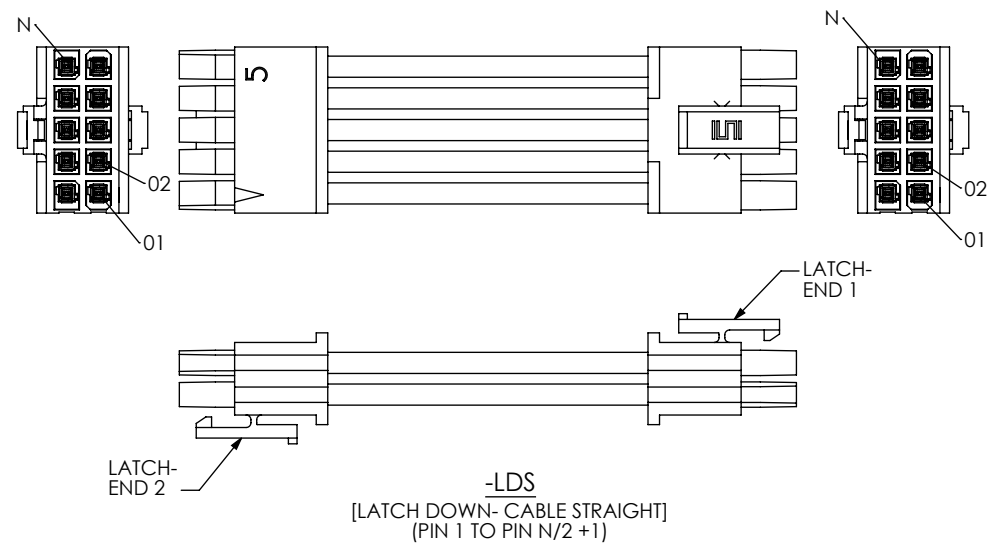
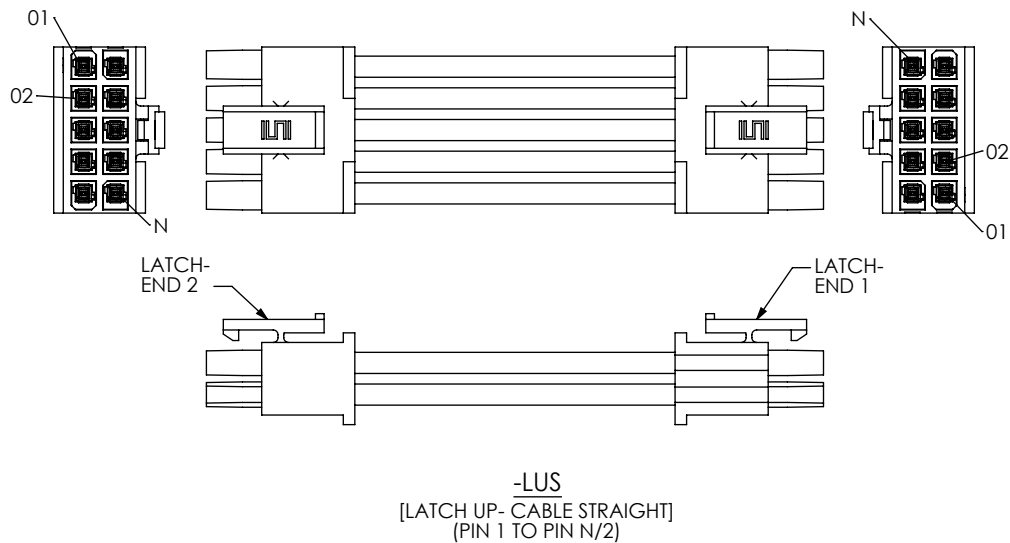
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:1

HOUSING: PBT UL 94V-0/5VA, COLOR: NATURAL
 CONTACT: PHOS BRONZE
 CABLE: INSULATION: SEE CALLOUT
 WIRE: SEE CABLE PRINT (NOT LEAD FREE)
 METAL LATCH: NICKEL-PLATED BeCu

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

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



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

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

FIG 3
(PMSDX-05-XXXX-X-XX.XX-S-M SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)

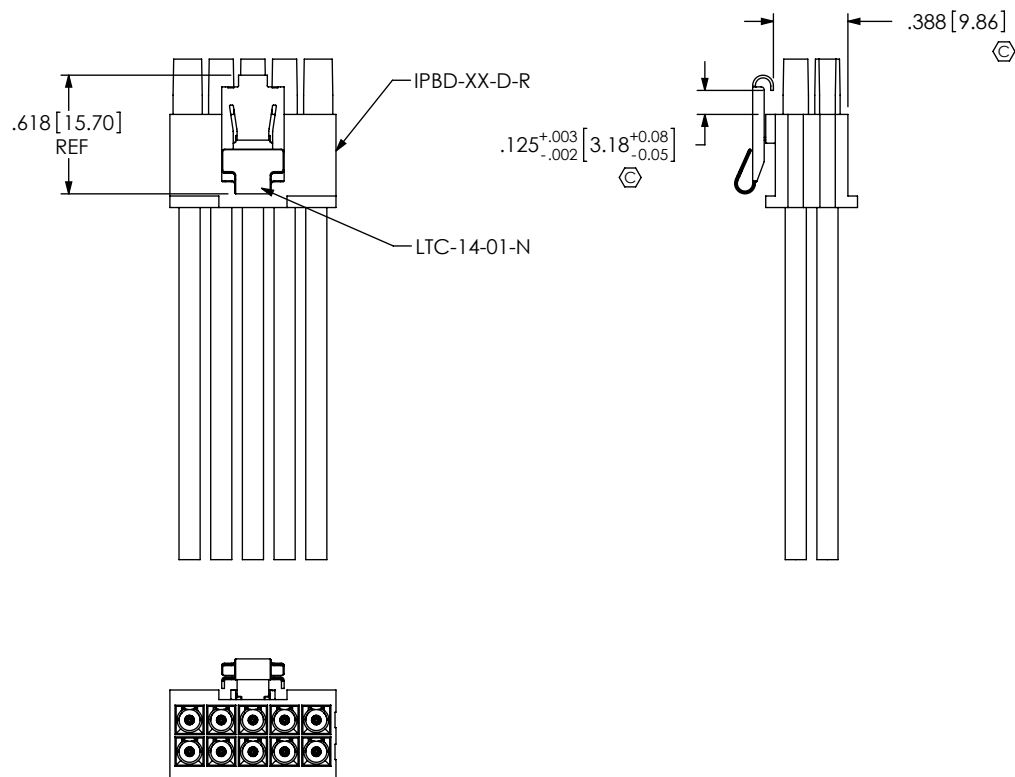
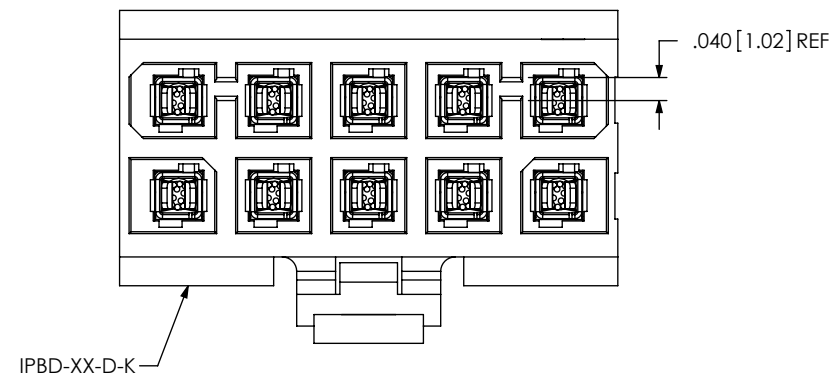
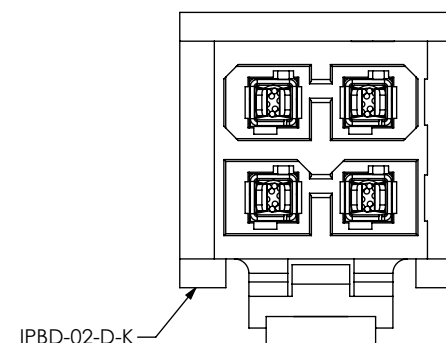


FIG 4
SCALE 3:1
-K: KEYED POLARIZATION
(PMSDX-05-XXXX-X-XX.XX-S-K SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)



-02 POS
(DIFFERENT AS SHOWN)



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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SHEET SCALE: 1:1

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

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