

DO NOT SCALE FROM THIS PRINT

NOTES:

1. ⊕ REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: .003[0.08]
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. FOLLOW PACKAGING MANUAL FOR PACKAGING INSTRUCTIONS.
7. AFTER THE AWG NUMBER IS THE CONTACT PLATING:
L = 10 μ " GOLD PLATED, S = 30 μ " GOLD PLATED, LEAVE BLANK FOR TIN PLATED.
8. ALL PARTS TO PASS ELECTRICAL TEST UPON ASSEMBLY (INCLUDING HI-POT TEST AT 1000 VOLTS DC). AFTER FINAL ELECTRICAL TEST, MARK EACH ASSEMBLY PER INSTRUCTIONS REFERENCED IN CO-{AD-ID}-WI-3092-M.
9. APPLICATIONS INVOLVING SEVERE BENDING REQUIRE 6" MINIMUM CABLE LENGTH.
10. NOTE DELETED.
11. NOTE DELETED.
12. NOTE DELETED.
13. AVAILABLE ONLY AS AN ASO.
14. NOTE DELETED.
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.
20. ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.
21. CUT LENGTH IS ASSEMBLY LENGTH MINUS CUT SUBTRACTOR.
22. NYLON MATERIALS ARE HYGROSCOPIC. PRODUCT MAY EXPAND UP TO 0.5% DEPENDING ON CONDITIONS OF THE SURROUNDING ENVIRONMENT. ALL PRINT DIMENSIONS REPRESENT "DRY AS MOLDED" STATE.

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

FEP CABLE OPTION

-T: FEP
(LEAVE BLANK FOR STANDARD PVC INSULATION)
(SEE NOTE 20)

No OF POSITIONS

-02 THRU -15
(PER ROW)

WIRE GAUGE (AWG) (SEE TABLE 1)

(SEE NOTE 7)
PVC: -16, -18, -206, -203, -22, -24
FEP: -16, -16L, -16S, -18, -18L, -18S, -24

COLOR CODE

LEAVE BLANK FOR ALL BLACK WIRE
C: COLOR CODED WIRE, SEE COLOR SEQUENCE TABLE, SHEET 3
(NOT AVAILABLE FOR TEFLON OPTION, TEFLON CABLE ONLY AVAILABLE IN BLUE)

LEAD STYLE

-SP: STANDARD POWER (C-169-XX-SP-X)
*(SEE NOTE 19)
-HP: HIGH POWER (C-169-XX-HP-X)
*(SEE NOTE 18)
-K: KEYED POLARIZATION (C-169-XX-SP-X)
(USE IPBD-XX-D-K) (SEE FIG 4, SHT 3)

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)

(* = AVAILABLE TO EXISTING CUSTOMERS ONLY)

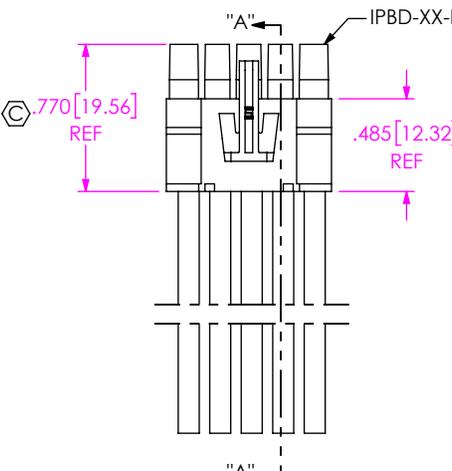
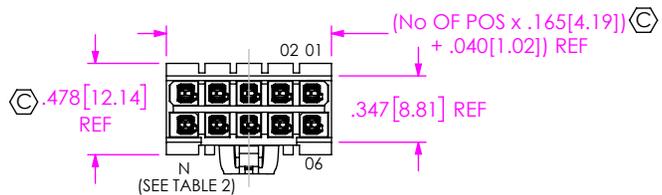
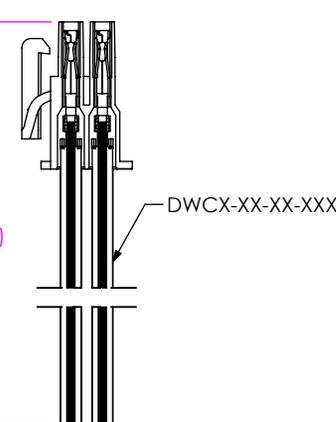


FIG 1
(PMSDX-05-XXXX-X-XX.XX-S SHOWN)



SECTION "A"-"A"

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

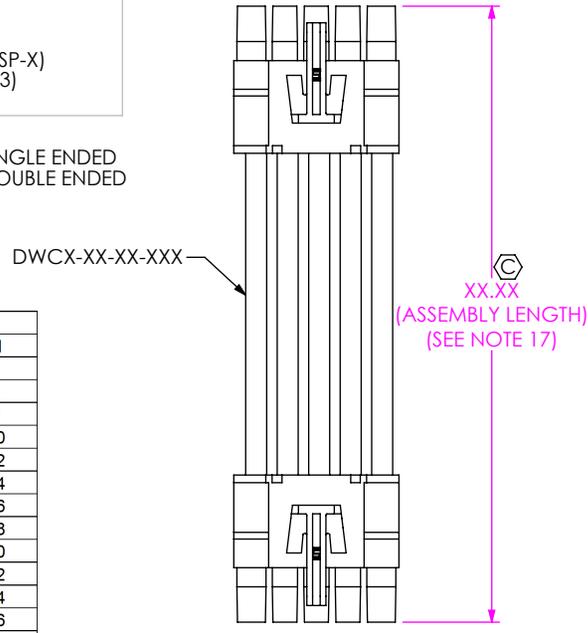
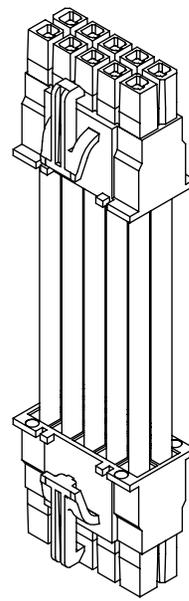


FIG 2
(PMSDX-05-XXXX-X-XX.XX-D-LUS SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)



** SEE NOTES 13

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	16 AWG	DWCT-16-01	C-169-05-XX-X
PMSDT	18 AWG	DWCT-18-01	C-169-05-XX-X
PMSDT	24 AWG	DWCT-24-01-TC	C-169-04-XX-T

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:
DECIMALS .XX: $\pm .01[0.3]$
.XXX: $\pm .005[0.13]$
.XXXX: $\pm .0020[0.051]$

ANGLES 2°

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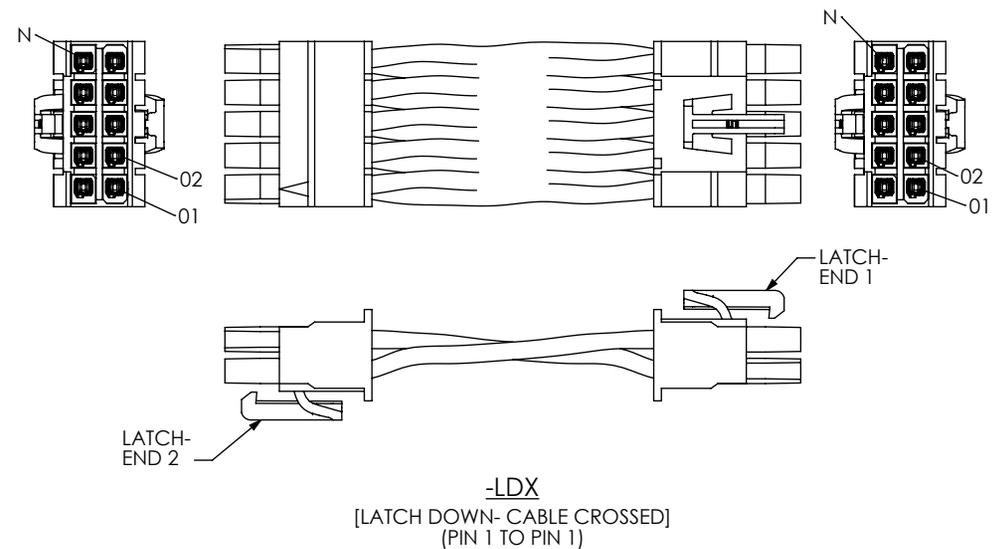
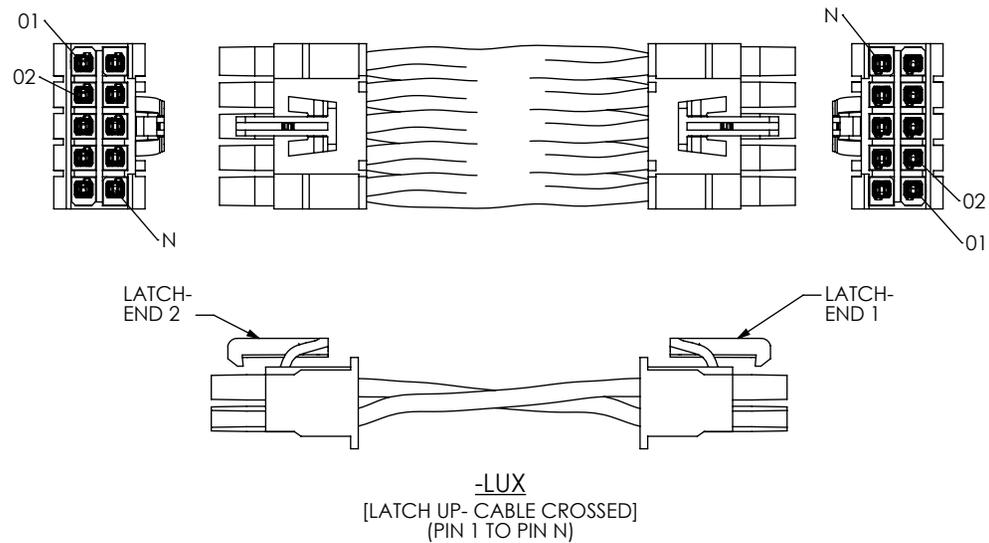
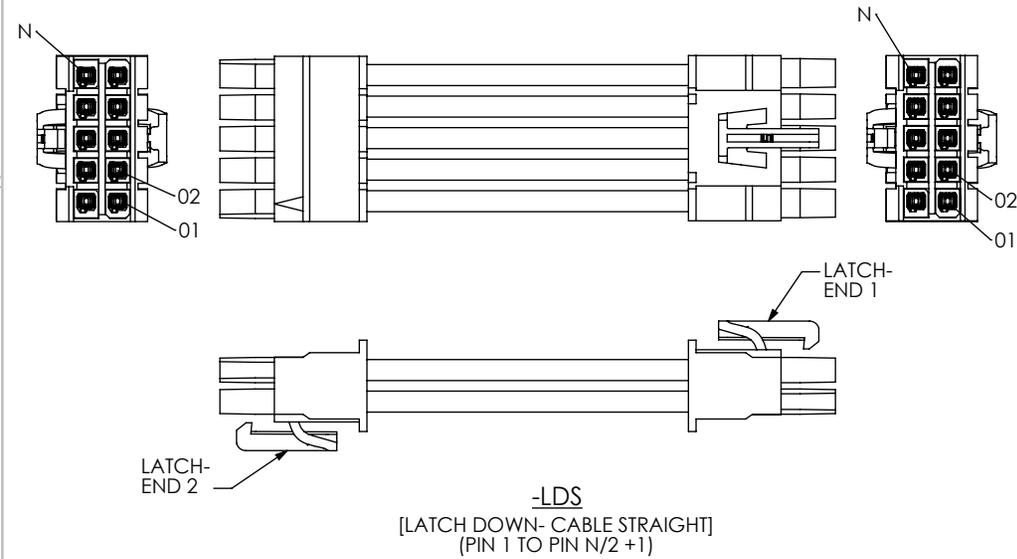
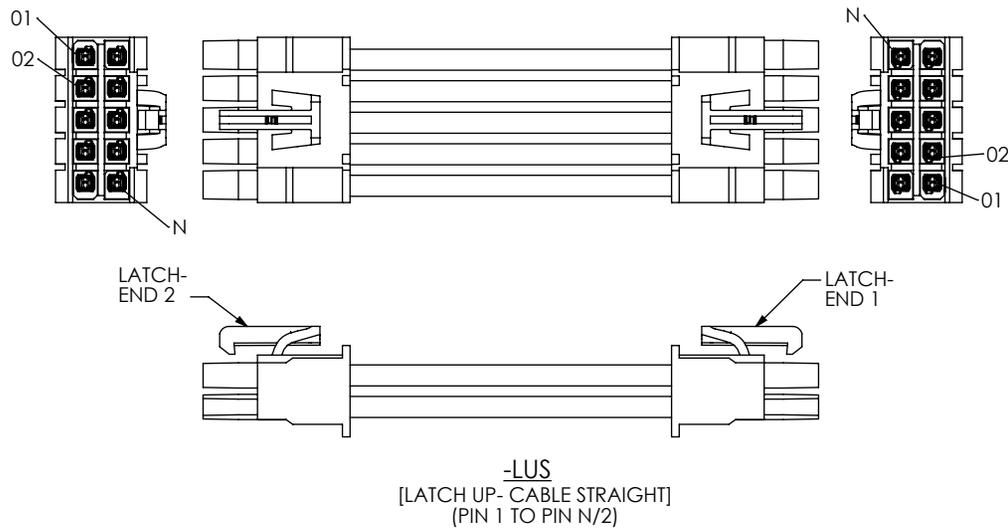
HOUSING: NYLON, COLOR: NATURAL UL 94 V-0,
CONTACT: PHOS BRONZE
CABLE: INSULATION: SEE CALLOUT
WIRE: SEE CABLE PRINT (NOT LEAD FREE)
METAL LATCH: NICKEL-PLATED BeCu

DESCRIPTION:
.165[4.19] SOCKET DISCREET CABLE ASSEMBLY

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

BY: DEAN P 07/28/2004 SHEET 1 OF 4

F:\DWG\SW\Exisprod\Assembly\Cable\PMSDX-XX-XXXX-X-XX.XX-X-XXX-ASM.SLDDRW



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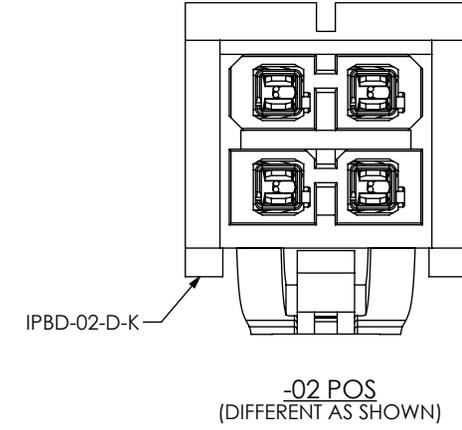
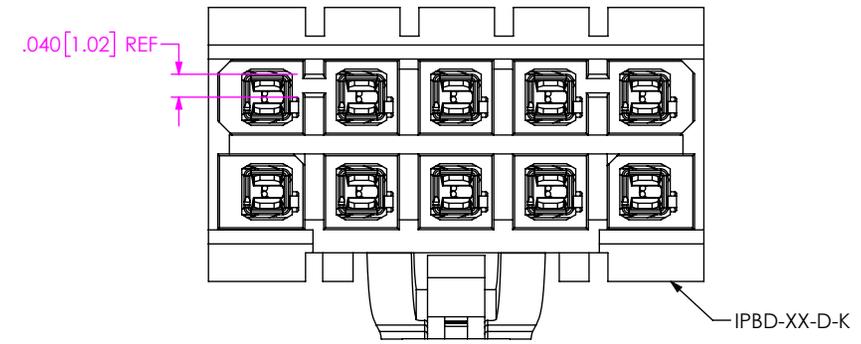
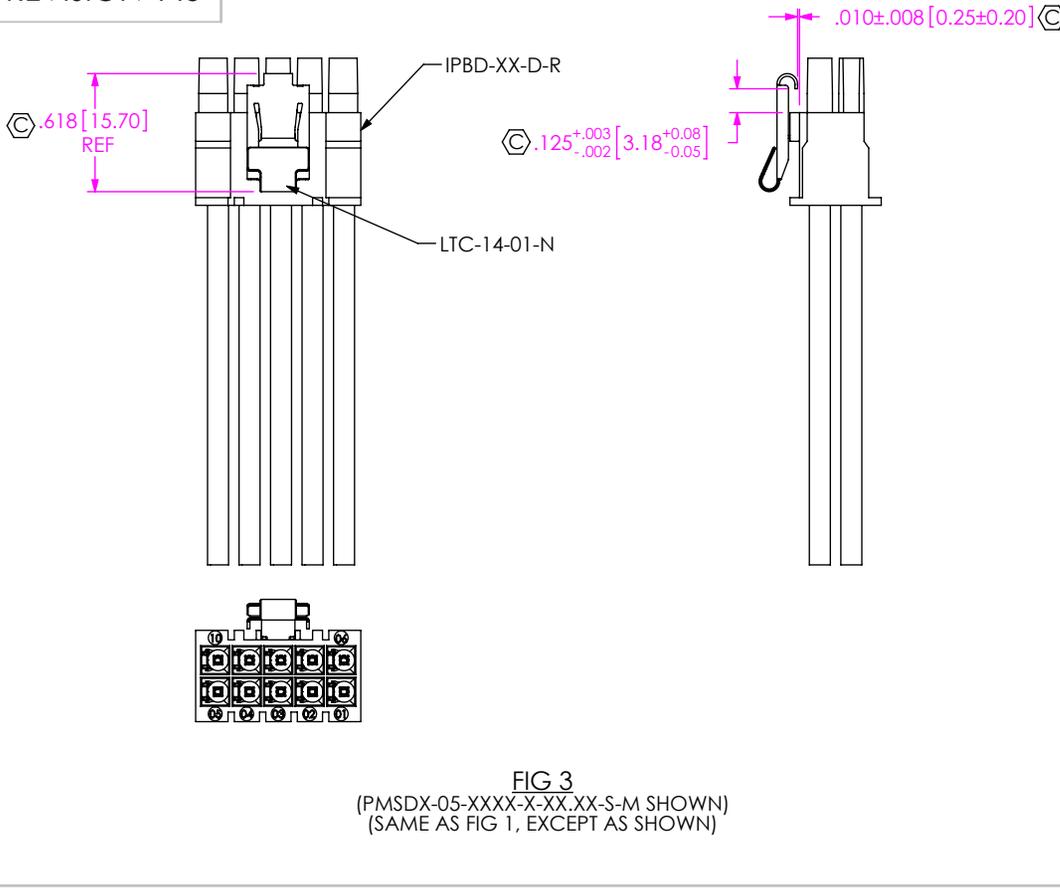


520 PARK EAST BLVD, NEW ALBANY, IN 47150
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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
.165[4.19] SOCKET DISCREET CABLE ASSEMBLY

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

BY: DEAN P 07/28/2004 SHEET 2 OF 4



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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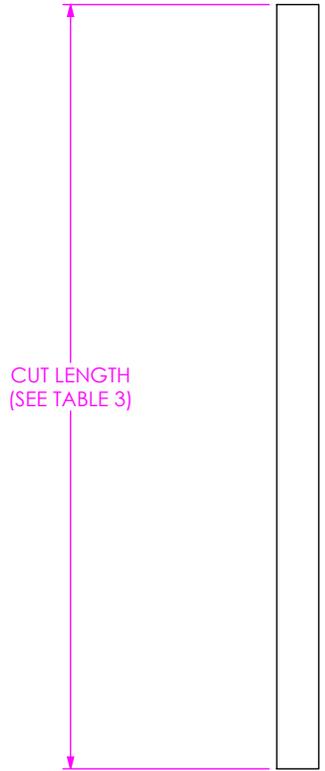


TABLE 3 (CUT SUBTRACTORS) (SEE NOTE 21)	
	LENGTH
-S: SINGLE END	.479 [12.17]
-D: DOUBLE END	.958 [24.33]

FIG 5

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DWG. NO.
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