

DO NOT SCALE FROM THIS PRINT

- NOTES:
- ⊙ REPRESENTS A CRITICAL DIMENSION.
  - MAXIMUM BURR ALLOWANCE: .003[0.08]
  - PARTS TO BE MOLDED TO POSITION.
  - MINIMUM PIN PULLOUT FORCE: 5.000LB[22.24N].
  - CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
  - FOLLOW PACKAGING MANUAL FOR PACKAGING INSTRUCTIONS.
  - AFTER THE AWG NUMBER IS THE CONTACT PLATING:  
L = 10μ" GOLD PLATED, S = 30μ" GOLD PLATED, LEAVE BLANK FOR TIN PLATED.
  - ⊙ 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.
  - APPLICATIONS INVOLVING SEVERE BENDING REQUIRE 6" MINIMUM CABLE LENGTH.
  - NOTE DELETED.
  - NOTE DELETED.
  - NOTE DELETED.
  - AVAILABLE ONLY AS AN ASO.
  - NOTE DELETED.
  - MINIMUM METAL LATCH RETENTION FORCE: 1.000LB[4.45N].
  - REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING AND ITS REQUIREMENTS
  - 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.
  - AVAILABLE TO EXISTING CUSTOMERS ONLY, DO NOT DESIGN AS OF REVISION Z.
  - ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.
  - CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.
  - 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-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)

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)

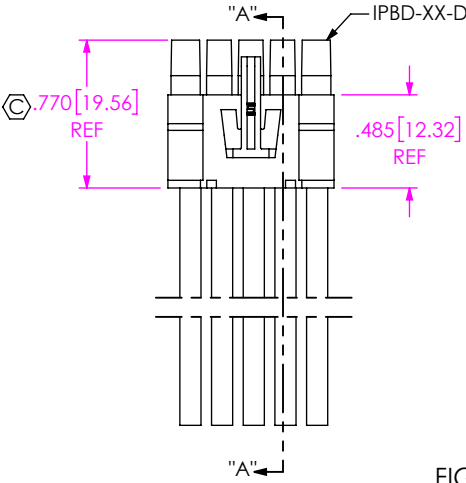
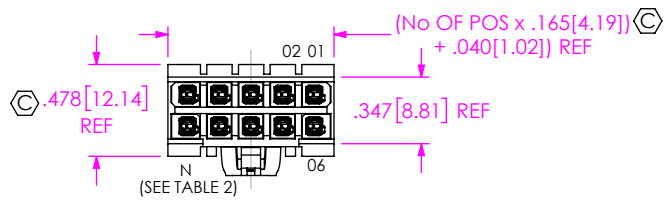
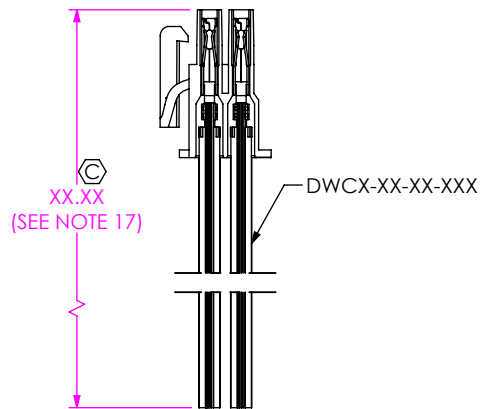


FIG 1  
(PMSDX-05-XXXX-X-XX.XX-S SHOWN)



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

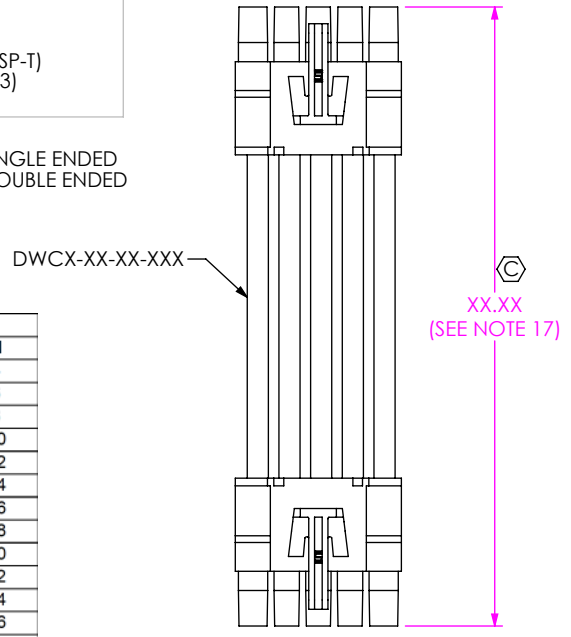
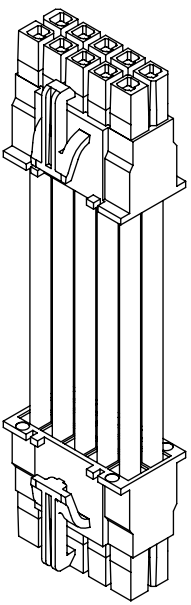


FIG 2  
(PMSDX-05-XXXX-X-XX.XX-D-LUS SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)



\*\* SEE NOTES 13

SERIES	CABLE AWG	CABLE	CONTACT	"P"
PMSD	16 AWG	DWC-16-10-600	C-169-03-XX-T	.128 [3.25]
PMSD	18 AWG	DWC-18-10-600	C-169-03-XX-T	.128 [3.25]
PMSD	206 AWG	DWC-20-10-600	C-169-03-XX-T	.128 [3.25]
PMSD	**203 AWG	DWC-20-10-300	C-169-02-XX-T	.128 [3.25]
PMSD	22 AWG	DWC-22-10-300	C-169-02-XX-T	.128 [3.25]
PMSD	24 AWG	DWC-24-10-300	C-169-02-XX-T	.128 [3.25]
PMSDT	16 AWG	DWCT-16-01	C-169-05-XX-X	.128 [3.25]
PMSDT	18 AWG	DWCT-18-01	C-169-05-XX-X	.128 [3.25]
PMSDT	24 AWG	DWCT-24-01-TC	C-169-04-XX-T	.128 [3.25]

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:  
DECIMALS ANGLES  
.XX: ±.01 [0.3] 2°  
.XXX: ±.005 [0.13]  
.XXXX: ±.0020 [0.051]

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

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

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

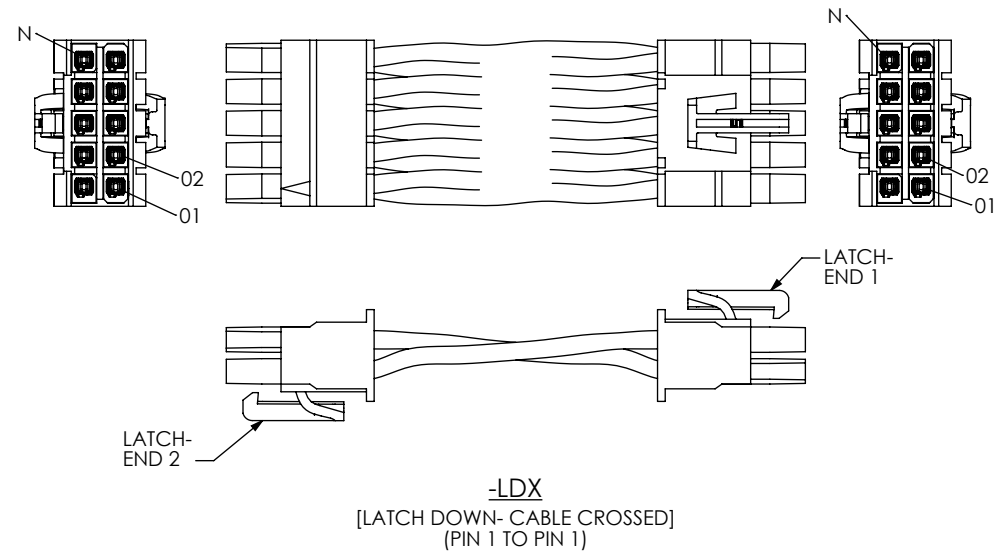
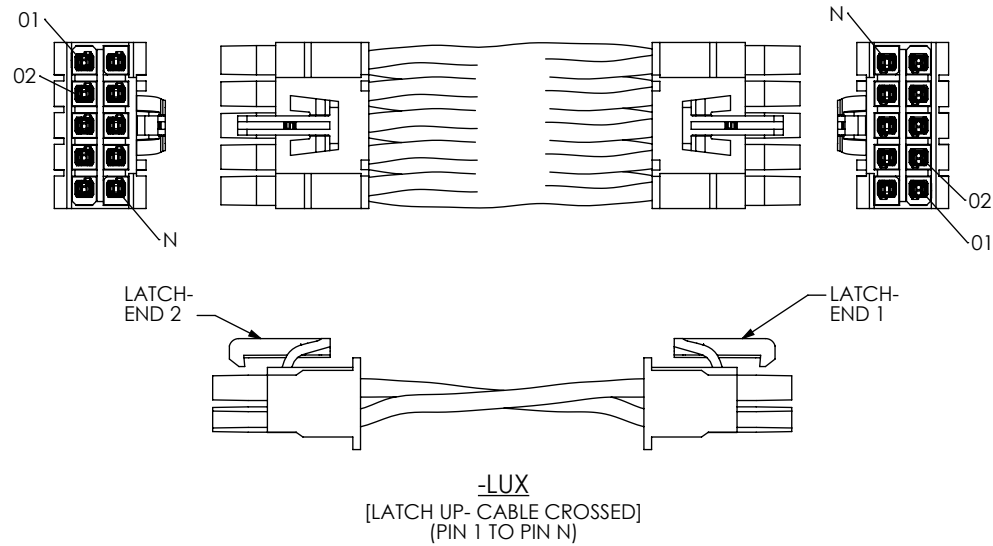
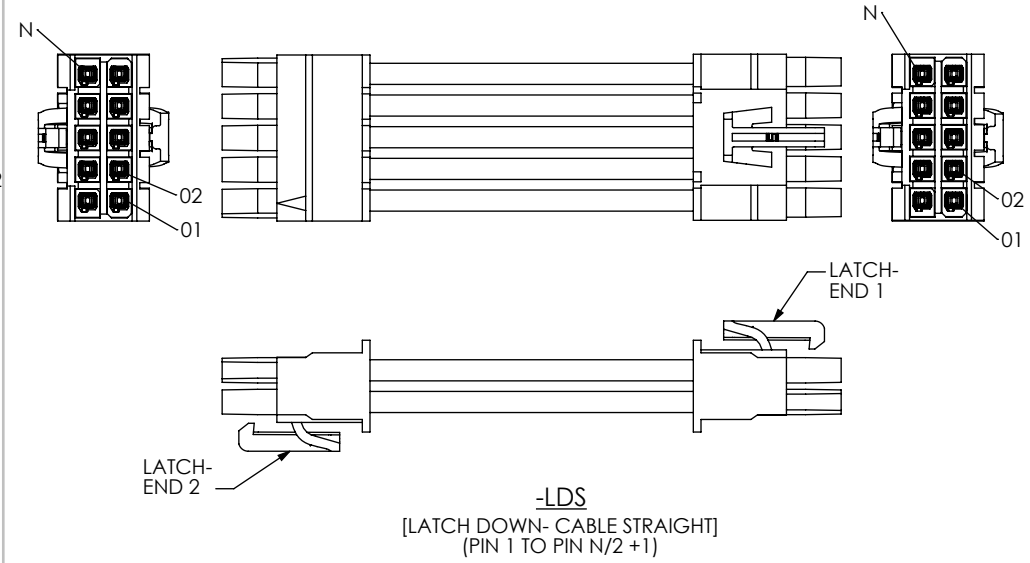
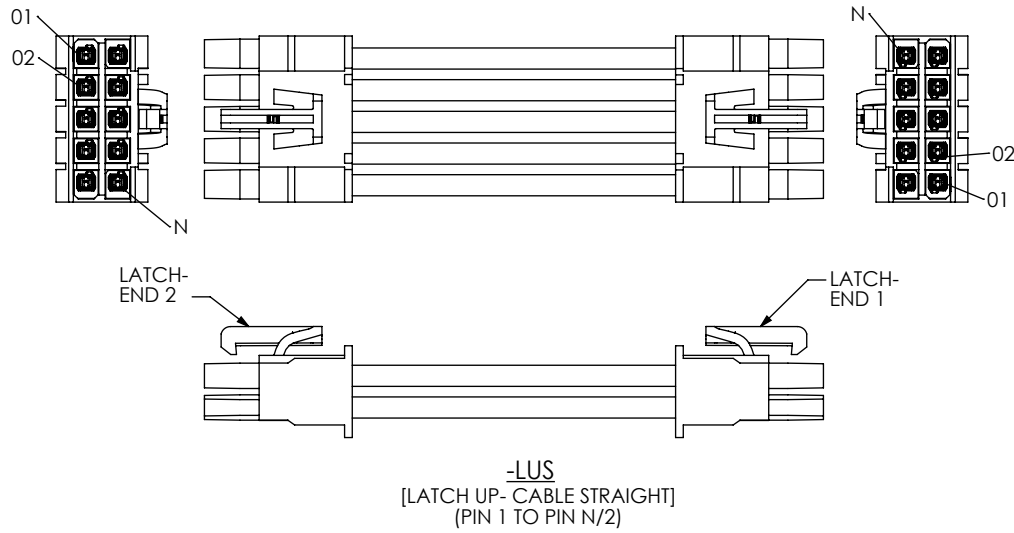


520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
.165[4.19] SOCKET DISCREET CABLE ASSEMBLY

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

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



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SHEET SCALE: 1:1



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

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.165[4.19] SOCKET DISCREET CABLE ASSEMBLY

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

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

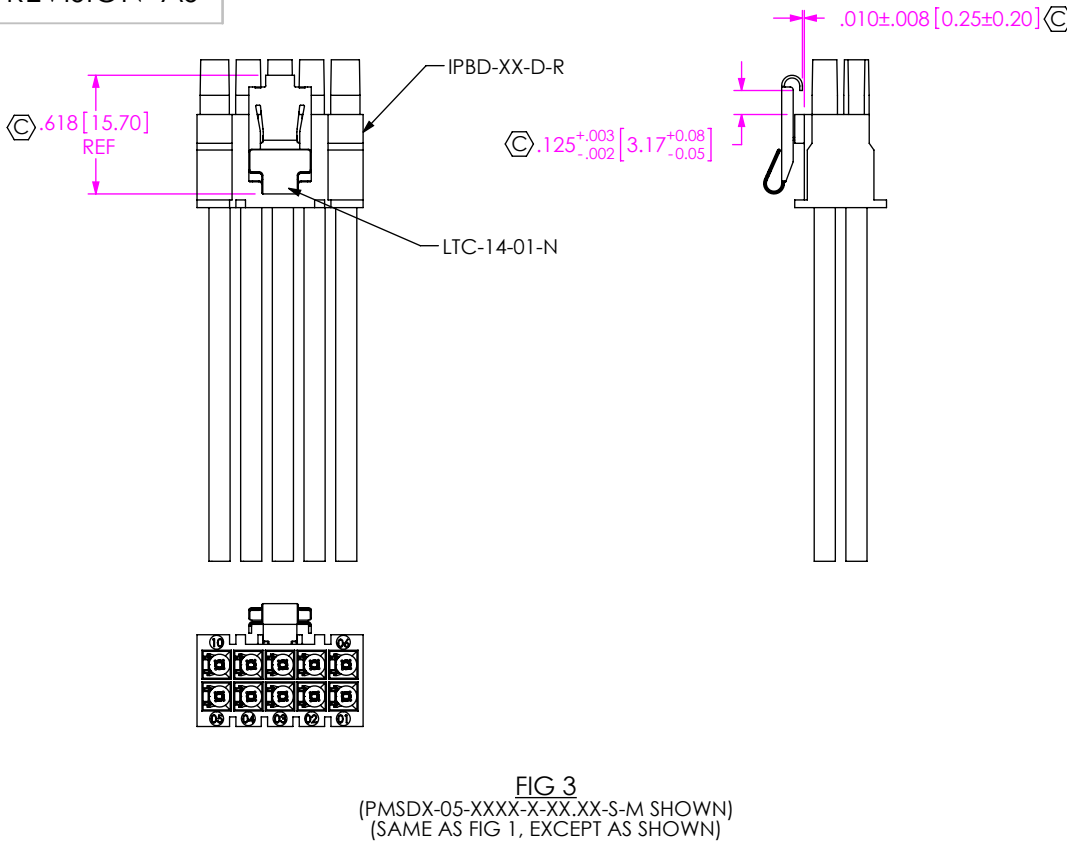


FIG 3  
(PMSDX-05-XXXX-X-XX.XX-S-M SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)

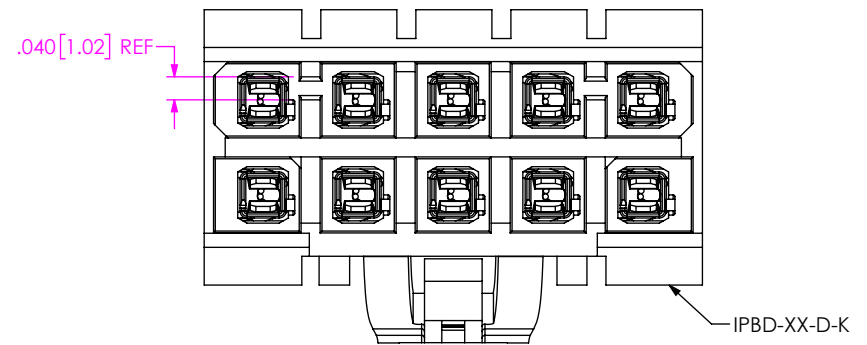
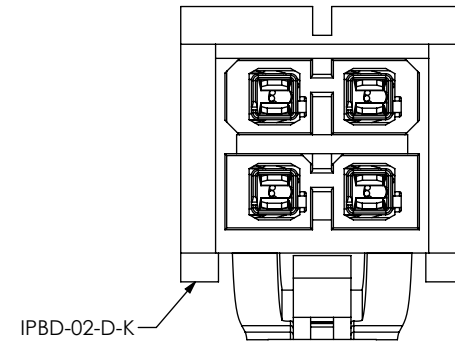
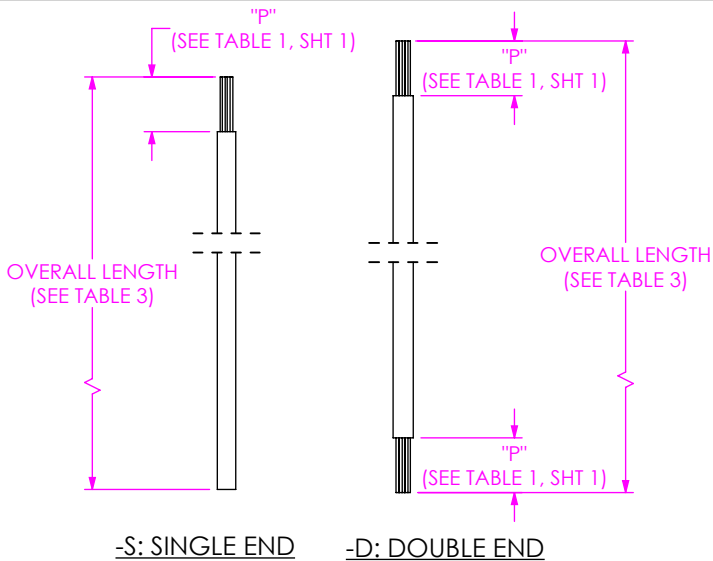


FIG 4  
SCALE 3:1  
-K: KEYED POLARIZATION  
(PMSDX-05-XXXX-X-XX.XX-S-K SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)



-02 POS  
(DIFFERENT AS SHOWN)



CABLE CUT IN-PROCESS

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

TABLE 3  
(OVERALL LENGTH SUBTRACTORS)  
(SEE NOTE 21)

	LENGTH
-S: SINGLE END	.479 [12.17]
-D: DOUBLE END	.958 [24.33]

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