REVISION R

DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS[INCHES]

PESS-XX-XX-X-XX.XX-XX-XXX

No OF POSITIONS
-02: 2 POSITIONS
-04: 4 POSITIONS
-06: 6 POSITIONS
-08: 8 POSITIONS

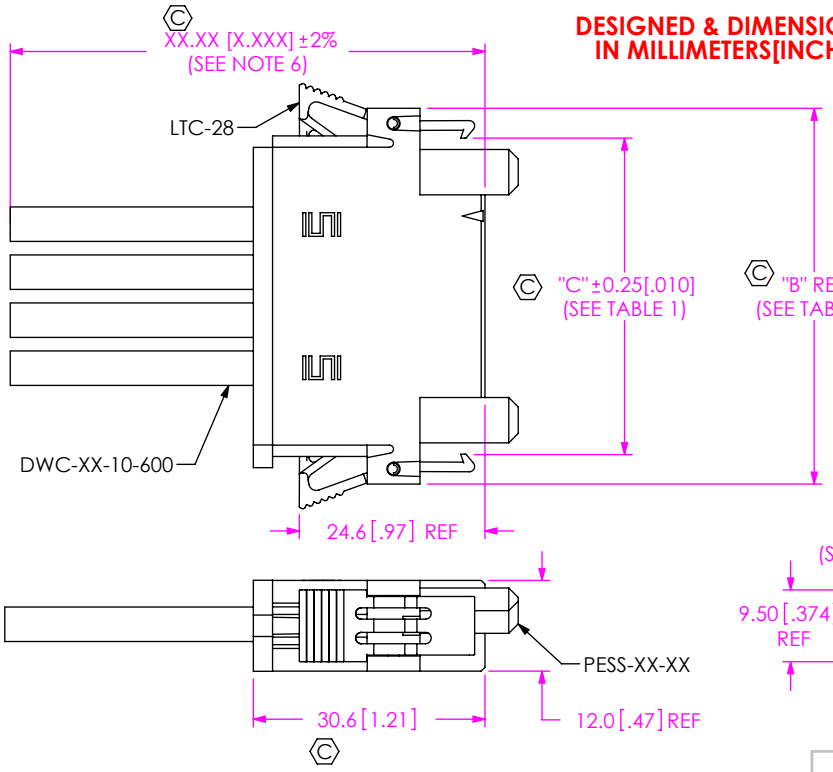
LEAD STYLE
-10: 10 AWG 600 V (C-310-1012-X)
-12: 12 AWG 600 V (C-310-1012-X)

PLATING SPECIFICATION
-L: LIGHT SELECTIVE, 10Au / 50 Ni MIN ON CONTACT, MATTE TIN CRIMP
-S: SELECTIVE, 30Au / 50 Ni MIN ON CONTACT, MATTE TIN CRIMP
-T: MATTE TIN, 200 TIN / 50 Ni MIN ON CONTACT, MATTE TIN CRIMP

SECOND END OPTION
(ONLY AVAILABLE WITH -DR OPTION)
-NUS: NOTCH UP STRAIGHT (SEE FIG 2, SHEET 2)
-NDS: NOTCH DOWN STRAIGHT (SEE FIG 3, SHEET 2)

END OPTION
-SR: SINGLE ENDED
-DR: DOUBLE ENDED

ASSEMBLY LENGTH
06.00[152.4] MINIMUM LENGTH (SEE NOTE 6)



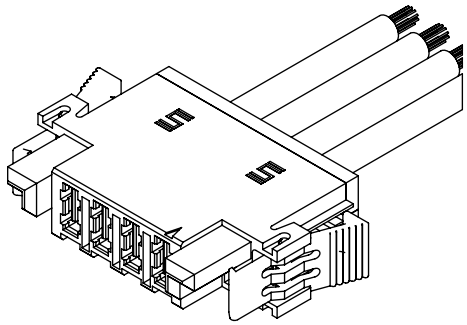
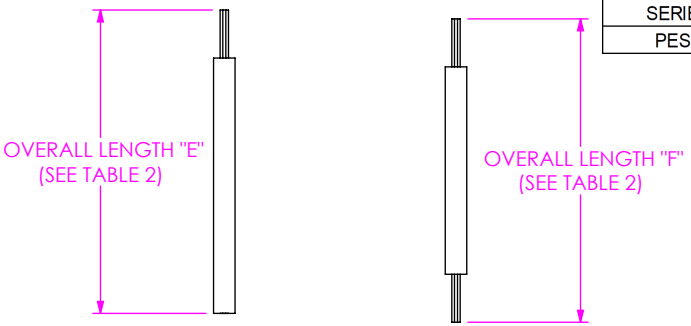


FIG 1
(PESS-04-XX-X-XX.XX-SR SHOWN)

TABLE 1				
No. OF POS	"A"	"B"	"C"	"D"
-02	6.35 [0.250]	37.01 [1.457]	29.21 [1.150]	43.9 [1.73]
-04	19.05 [0.750]	49.71 [1.957]	41.91 [1.650]	56.6 [2.23]
-06	31.75 [1.250]	62.41 [2.457]	54.61 [2.150]	69.3 [2.73]
-08	44.45 [1.750]	75.11 [2.957]	67.31 [2.650]	82.0 [3.23]

NOTES:
1. Ⓒ REPRESENTS A CRITICAL DIMENSION.
2. Ⓒ ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 1000V AND ELECTRICALLY TESTED FOR SHORTS AND OPENS. AFTER FINAL ELECTRICAL TEST, MARK EACH ASSEMBLY PER INSTRUCTIONS REFERENCED IN CO-{AD-ID}-WI-3092-M.
3. MINIMUM LATCH RETENTION: 4.4 N [1 LB].
4. MINIMUM PULL OUT FORCE 22.2N [5 LB].
5. PACKAGE USING WRAPPED END METHOD AS SHOWN IN THE PACKAGING MANUAL.
6. ALL DIMS SHOWN IN METRIC EXCEPT FOR ASSEMBLY LENGTH ON PART CALL OUT.
7. NOTE DELETED.
8. CAP RETENTION: 4.4 N [1LB].
9. REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING AND ITS REQUIREMENTS.
10. CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.



-S: SINGLE END

-D: DOUBLE END

TABLE 2: OVERALL LENGTH SUBTRACTORS (SEE NOTE 10)		
SERIES	"E"	"F"
PESS	0.623	1.246

FIG 4
CABLE CUT IN-PROCESS

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.
TOLERANCES ARE:
DECIMALS
X.X: ±0.3 [.01]
X.XX: ±0.13 [.005]
X.XXX: ±0.051 [.0020]
ANGLES
2 °

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
INSULATOR: NYLON, BLACK
CONTACT: COPPER ALLOY
LATCH: NYLON, BLACK
WIRE: PVC COATED TINNED COPPER

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

DESCRIPTION: PESS CABLE ASSEMBLY

DWG. NO. PESS-XX-XX-X-XX.XX-XX-XXX

BY: E WRIGHT 02/16/2010 SHEET 1 OF 2

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

REVISION R

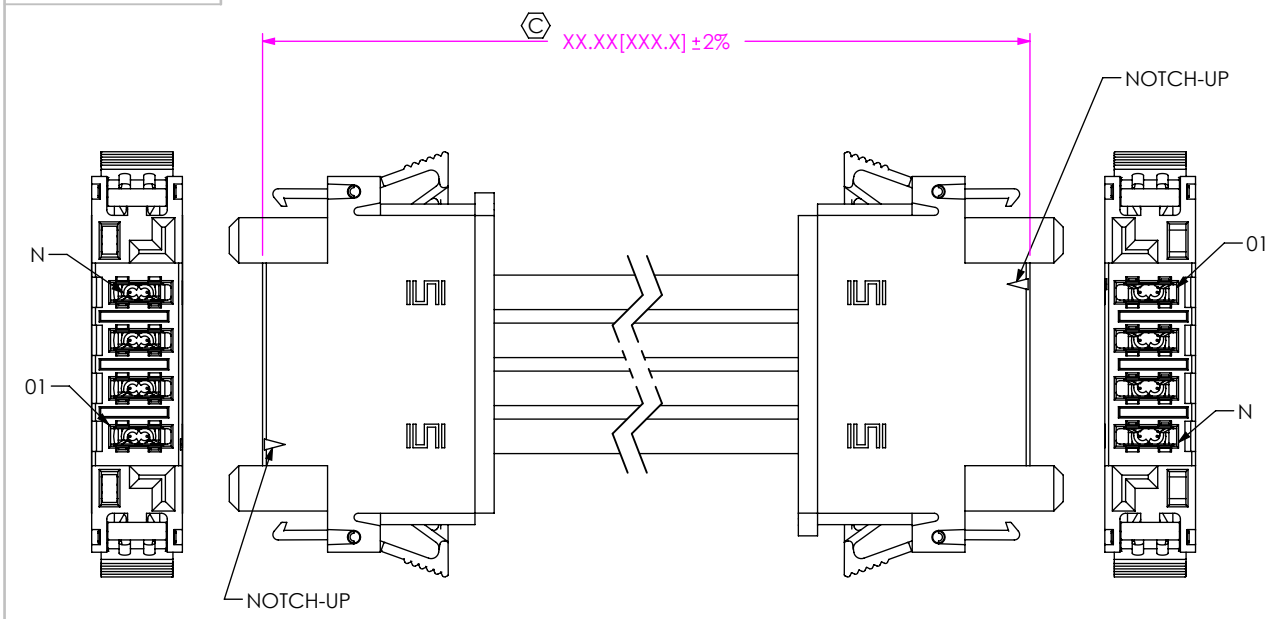


FIG 2
(PESS-04-XX-X-XX.XX-DR-NUS)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

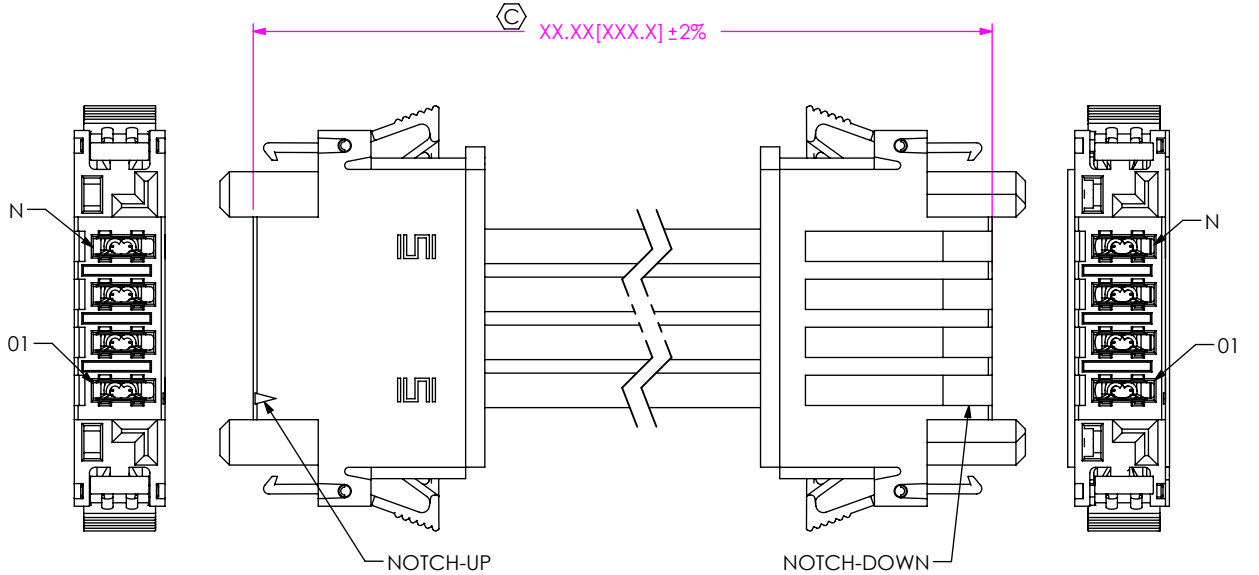
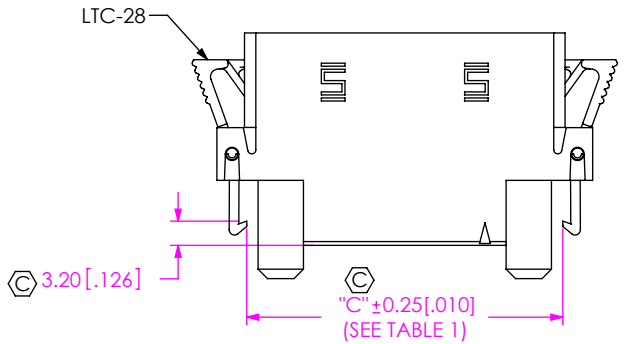
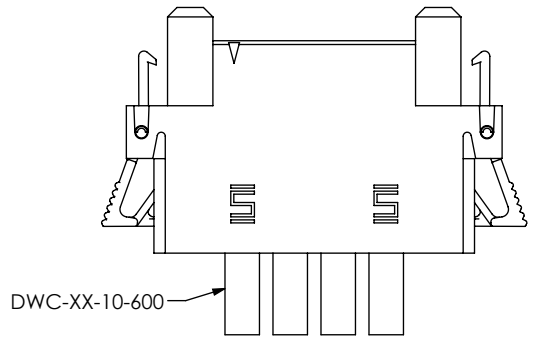


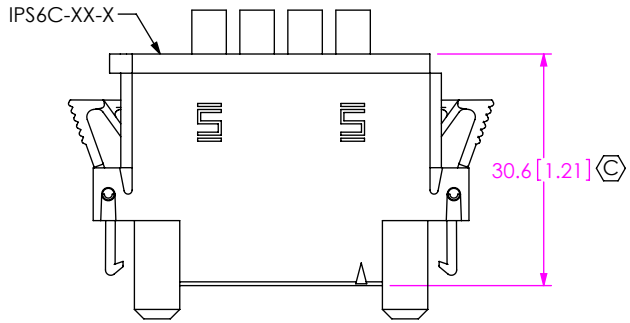
FIG 3
(PESS-04-XX-X-XX.XX-DR-NDS)
(SAME AS FIG 1, DIFFERENT AS SHOWN)



IN PROCESS 1
(ADD LTC-28)



IN PROCESS 2
(FILL DWC-XX-10-600)



IN PROCESS 3
(ADD IPS6C-XX-X)

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DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION: PESS CABLE ASSEMBLY

DWG. NO. PESS-XX-XX-X-XX.XX-XX-XXX

BY: E WRIGHT 02/16/2010 SHEET 2 OF 2

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