REVISION N

THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN METRIC[INCHES]

MPSS-XX-XX-X-XX.XX-XX-XXX

No OF POSITIONS
-02: 2 POSITIONS
-03: 3 POSITIONS
-04: 4 POSITIONS
-06: 6 POSITIONS
-08: 8 POSITIONS

LEAD STYLE
* -10: 10 AWG 600 V (C- 246-02-X)
* -12: 12 AWG 600 V (C- 246-02-X)
  -14: 14 AWG 600 V (C- 246-01-X)
  -16: 16 AWG 600 V (C- 246-01-X)

PLATING SPECIFICATION
-L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA
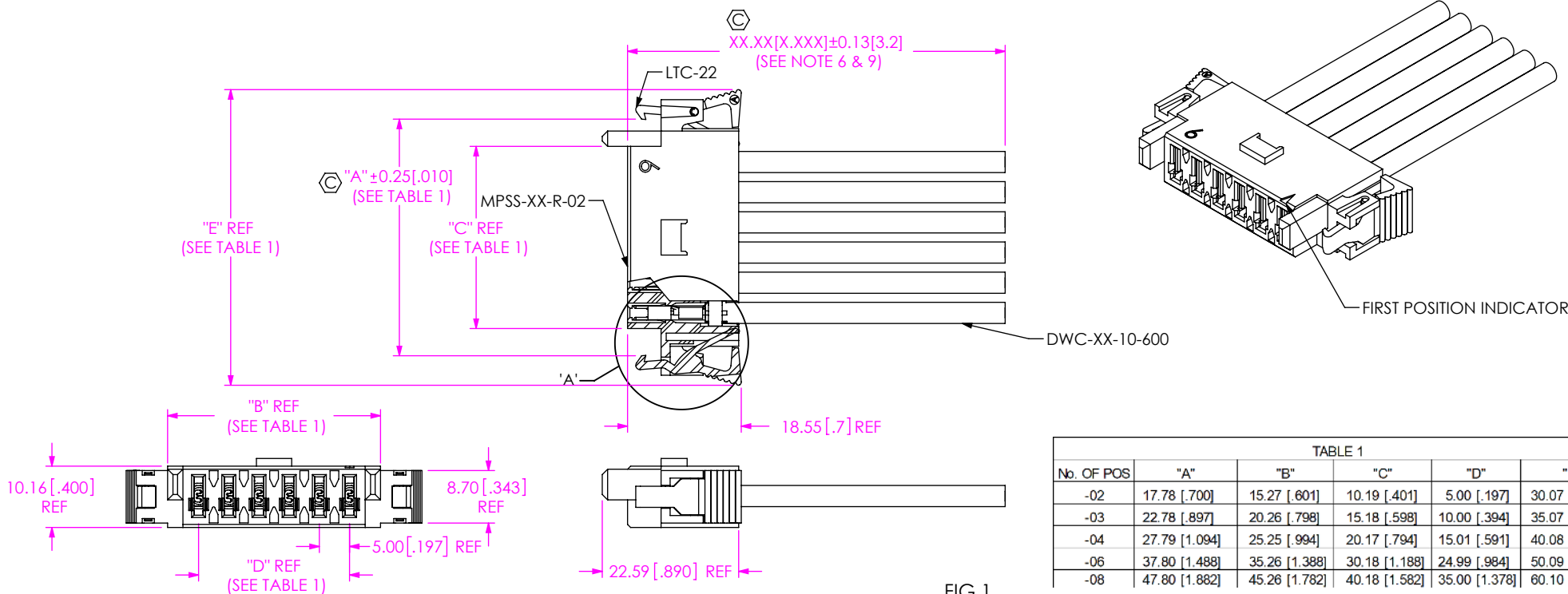   BRIGHT ACID TIN ON TAIL
-T: BRIGHT ACID TIN CONTACT AND TAIL

SECOND END OPTION
(ONLY AVAILABLE WITH -DR OPTION)
-NUS: NOTCH UP STRAIGHT
-NDS: NOTCH DOWN STRAIGHT

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

ASSEMBLY LENGTH (INCHES)
03.25[82.5] MINIMUM LENGTH

* = NOT TOOLED

LTC-22

XX.XX[X.XXX]±0.13[3.2]
(SEE NOTE 6 & 9)

"A"±0.25[.010]
(SEE TABLE 1)

MPSS-XX-R-02

"E" REF
(SEE TABLE 1)

"C" REF
(SEE TABLE 1)

'A'

FIRST POSITION INDICATOR

DWC-XX-10-600

18.55[.7] REF

"B" REF
(SEE TABLE 1)

10.16[.400]
REF

8.70[.343]
REF

5.00[.197] REF

"D" REF
(SEE TABLE 1)

22.59[.890] REF

FIG 1
(MPSS-106-14-X-XX.XX-SR SHOWN)

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

	TABLE 1				
No. OF POS	"A"	"B"	"C"	"D"	"E"
-02	17.78 [.700]	15.27 [.601]	10.19 [.401]	5.00 [.197]	30.07 [1.184]
-03	22.78 [.897]	20.26 [.798]	15.18 [.598]	10.00 [.394]	35.07 [1.381]
-04	27.79 [1.094]	25.25 [.994]	20.17 [.794]	15.01 [.591]	40.08 [1.578]
-06	37.80 [1.488]	35.26 [1.388]	30.18 [1.188]	24.99 [.984]	50.09 [1.972]
-08	47.80 [1.882]	45.26 [1.782]	40.18 [1.582]	35.00 [1.378]	60.10 [2.366]

NOTES:
1. (C) REPRESENTS A CRITICAL DIMENSION.
2. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 1000VAND 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: 22.2 N [5.0 LB] MINIMUM.
5. PARTS TO BE LAYER PACKAGED. COVER EACH CABLE END WITH BAG ASBBLT4X5.5. FOR VERY SHORT CABLES THAT WILL FIT 100% WITHIN ONE BAG, USE ONLY ONE BAG AND SEAL.
6. ALL DIMS SHOWN IN METRIC EXCEPT FOR ASSEMBLY LENGTH ON PART CALL OUT
7. NOT FOR SALE AS COMPONENTS; SOLD AS A CABLE ASSEMBLY ONLY.
8. REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING AND ITS REQUIREMENTS.
9. CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.

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

MATERIAL:
DO NOT SCALE DRAWING
INSULATOR: POLYAMIDE, COLOR: BLACK
CONTACT: COPPER ALLOY
LATCH: POLYAMIDE, COLOR: BLACK
WIRE: PVC COATED TINNED COPPER

SHEET SCALE: 1:1

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DESCRIPTION:
MINI POWER DISCRETE WIRE

DWG. NO.
MPSS-XX-XX-X-XX.XX-XX-XXX
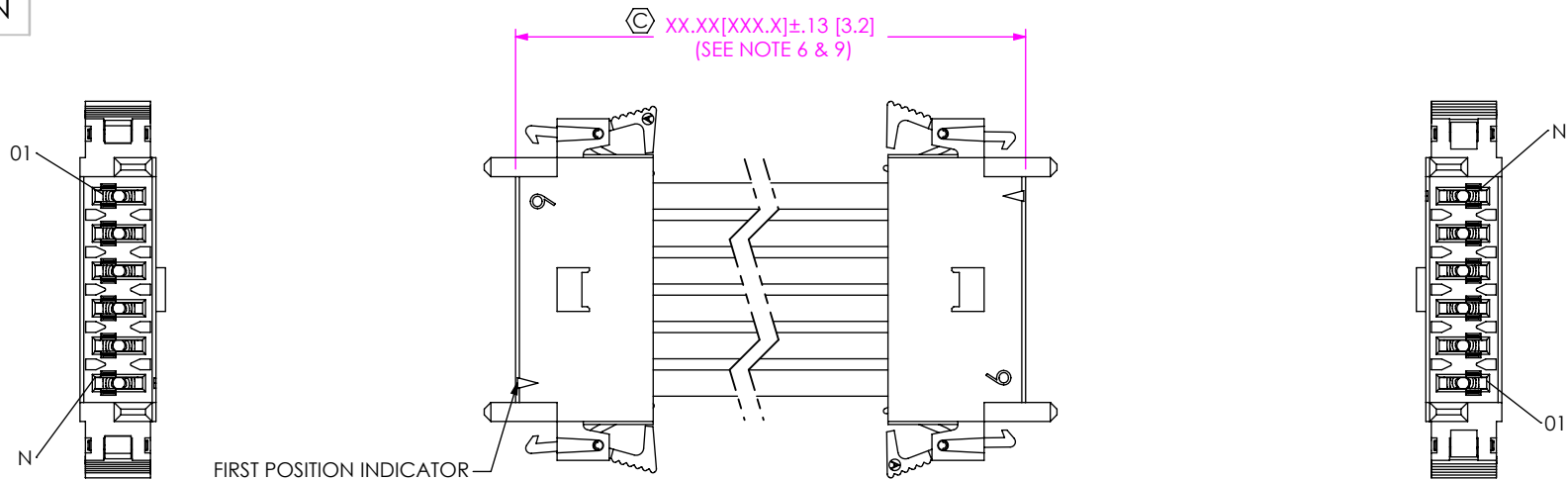
BY: B RAY   05/09/2008   SHEET 1 OF 3

XX.XX[XXX.X]±.13 [3.2]
(SEE NOTE 6 & 9)

01

N

FIRST POSITION INDICATOR

N

01

FIG 2
(MPSS-106-14-X-XX.XX-DR-NUS SHOWN)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

XX.XX[XXX.X]±0.13[3.2]
(SEE NOTE 6 & 9)

N

01

N

01

FIRST POSITION INDICATOR
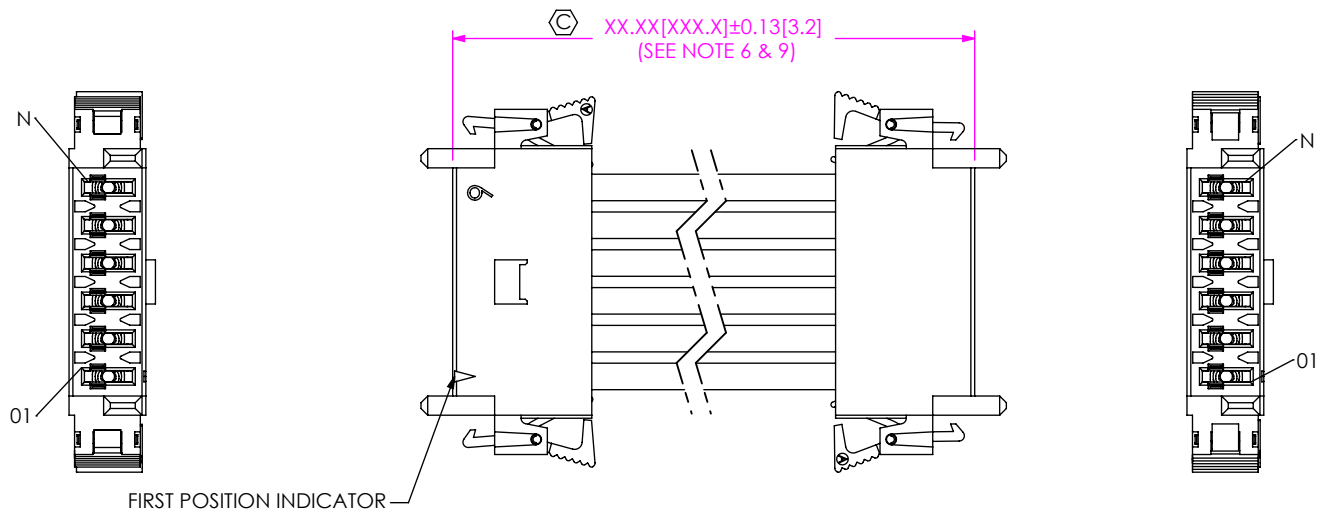
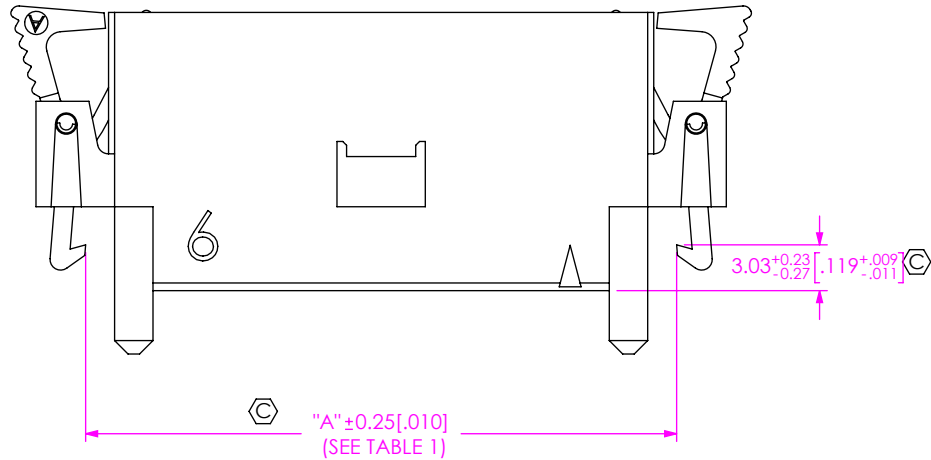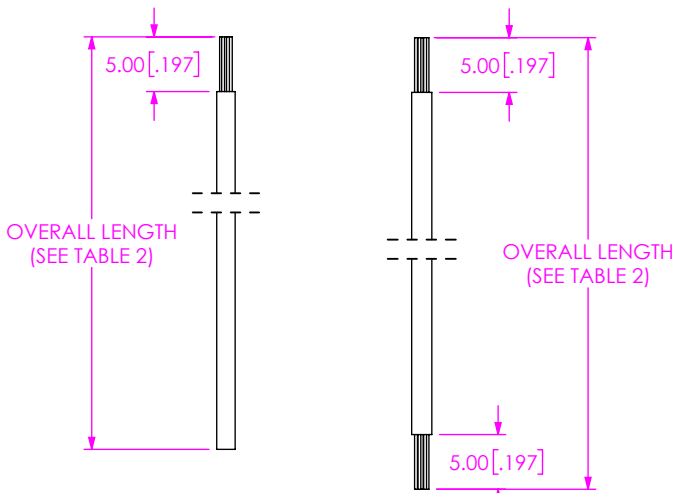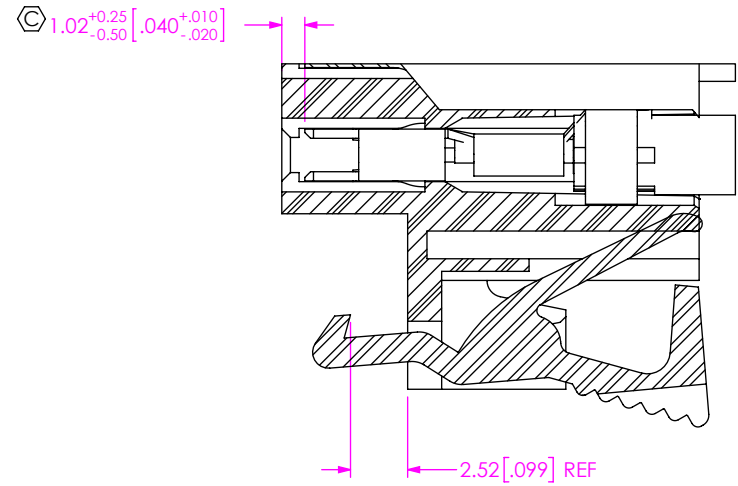FIG 3
(MPSS-106-14-X-XX.XX-DR-NDS SHOWN)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

DO NOT SCALE DRAWING

SHEET SCALE: 1:1

DESCRIPTION:
MINI POWER DISCRETE WIRE

DWG. NO.
MPSS-XX-XX-X-XX.XX-XX-XXX

BY: B RAY   05/09/2008   SHEET 2 OF 3

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

$1.02^{+0.25}_{-0.50}[.040^{+.010}_{-.020}]$

$3.03^{+0.23}_{-0.27}[.119^{+.009}_{-.011}]$

2.52[.099] REF

"A" ±0.25[.010]
(SEE TABLE 1)

IN PROCESS

5.00[.197]

5.00[.197]

OVERALL LENGTH
(SEE TABLE 2)

OVERALL LENGTH
(SEE TABLE 2)

5.00[.197]

-S: SINGLE END

-D: DOUBLE END

CABLE CUT IN-PROCESS

TABLE 2 (OVERALL LENGTH SUBTRACTORS) (SEE NOTE 9)	
	LENGTH
-S: SINGLE END	7.62 [.300]
-D: DOUBLE END	15.24 [.600]

DO NOT SCALE DRAWING

SHEET SCALE: 1:1

samtec

DESCRIPTION:
MINI POWER DISCRETE WIRE

DWG. NO.
MPSS-XX-XX-X-XX.XX-XX-XXX

BY: B RAY   05/09/2008   SHEET 3 OF 3

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