REVISION G

DO NOT
SCALE FROM
THIS PRINT

DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]

RPBU-XX-X-A-XX-XX

No OF POSITIONS
-01
-02

PLATING SPECIFICATION
-S: SELECTIVE, .000030 GOLD
ON POST, TIN ON TAIL

TYPE
-A

OPTION
-LC: LOCKING CLIP
(AVAILABLE ON -VT ONLY)

TERMINATION
-RA: RIGHT ANGLE (SHEET 1, FIG 1)
-VT: VERTICAL THROUGH HOLE
(SHEET 2, FIG 2)

48.15[1.896] REF
32.10[1.264] REF
16.80[.661]REF

"A"
"A"
C̶L

01 'N' 04

SEE NOTE 11 Ⓒ

DETAIL 'N'
SCALE 4 : 1

39.10[1.539] REF

$20.01^{+0.35}_{0.00}$ $[.788^{+.014}_{-.000}]$

MS-632-375-P-P-S
(SEE NOTE 8)

RPBU-A-01

9.53[.375]
REF

7.35[.289]
REF

Ø3.51[.138]REF

0.25[.010] REF

7.00[.276]REF

0.30[.012] REF

0.65[.026] REF

2° MAX SWAY (TYP)

FIG 1
RPBU-01-X-A-RA SHOWN

23.39[.921]REF
9.35[.368]REF
1.59[.063]REF
1.75[.069] Ⓒ (TYP)

$12.46^{+0.35}_{0.00}$ $[.491^{+.014}_{-.000}]$

USBS-A-S-S-B-VT2
OR-115-01
OR-114-01

2.35[.093]REF

2° MAX SWAY (TYP)

SECTION "A"-"A"
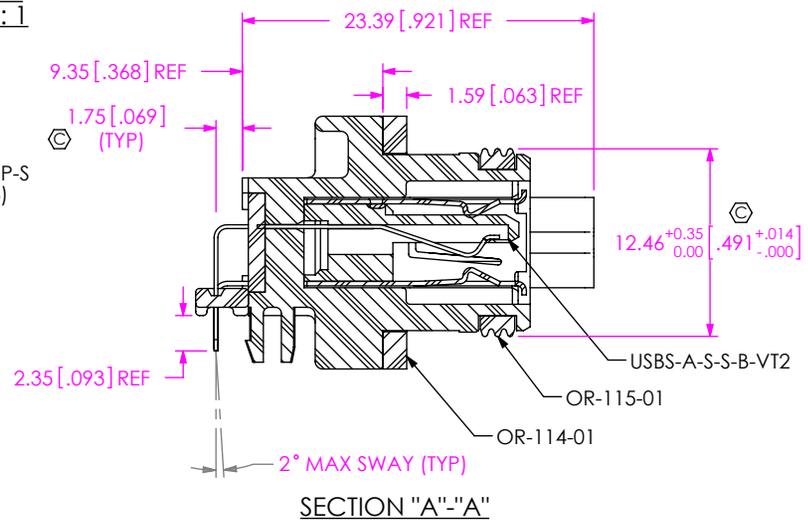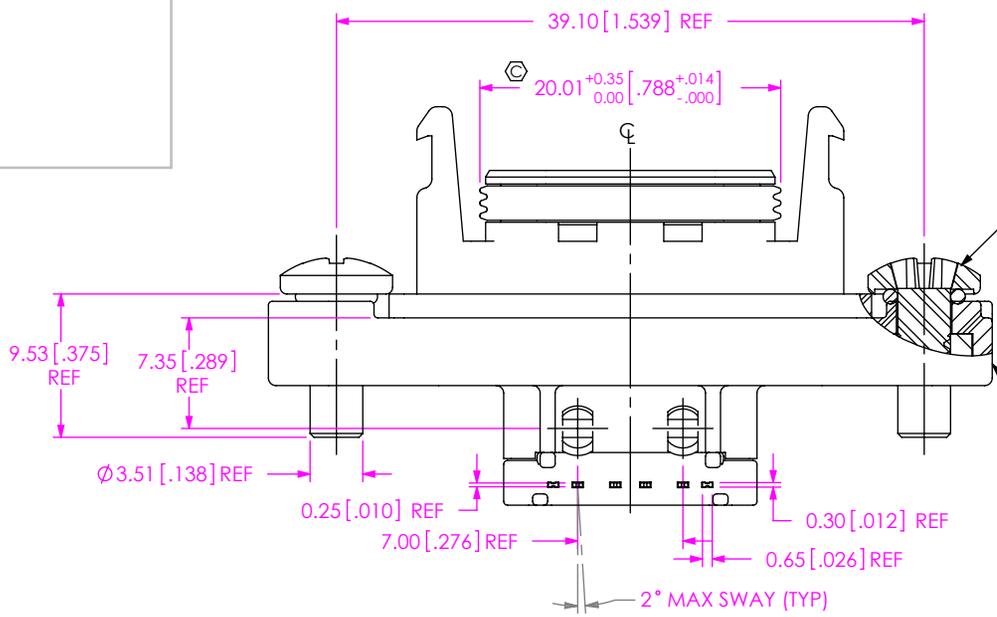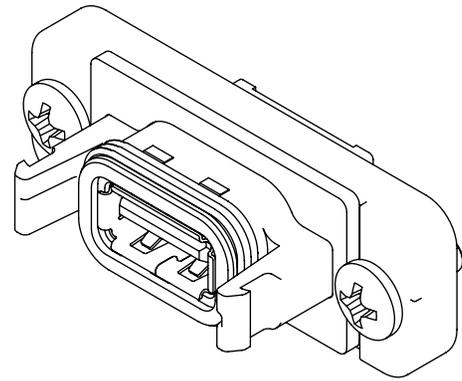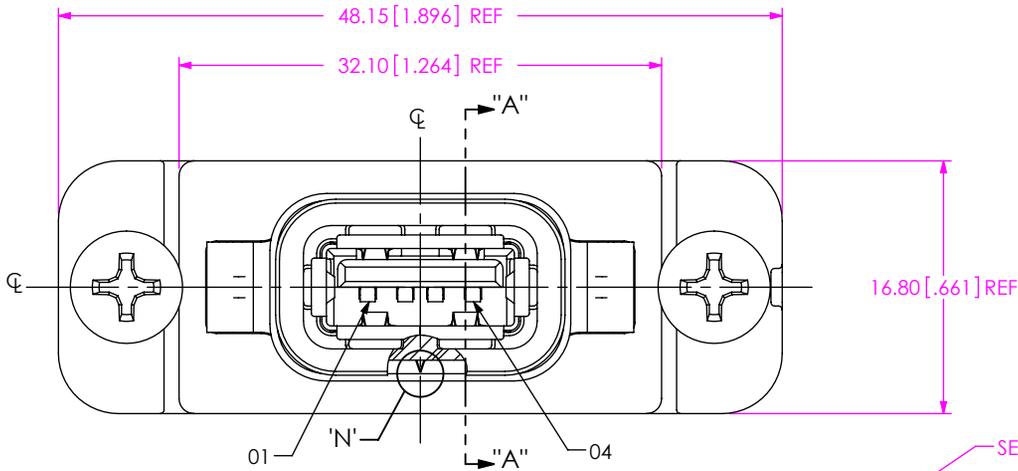
NOTES:
1. Ⓒ REPRESENTS A CRITICAL DIMENSION.
2. BURR ALLOWANCE: 0.038[.0015] MAX.
3. MINIMUM PUSHOUT FORCE: 4.4N[1.00 LB].
4. MAXIMUM ALLOWABLE BOW: 0.05[.002] MM/MM AFTER ASSEMBLY.
5. PANEL THICKNESS: 0.76[.030] - 3.96[.156], RECOMMENDED PANEL
   CUT OUT ON SHEET 2.
6. REQUIRED TORQUE ON MS-632-375-P-P-S: .35±.07 Nm [50±10 IN-OZ].
7. ALL PARTS MUST BE PACKAGED IN TUBES.
8. SEAL O-RING IS INCLUDED IN THE MS-632-375-P-P-S.
9. EPOXY MUST BE FLUSH OR BELOW EDGE OF CAVITY. NO VOIDS IN EPOXY ALLOWED.
10. PARTS TO BE OVEN CURED, AFTER THE EPOXY IS FILLED, AT 200°C FOR 10 MINUTES.
11. OR-115-XX POSITION INDICATOR.

MATERIAL:
INSULATOR: LCP UL94V0, COLOR: BLACK
CONTACT: PHOS BRONZE
SHIELD: PHOS BRONZE
SEAL: SILICON
SCREW: STAINLESS STEEL
NUT: STAINLESS STEEL

DO NOT SCALE DRAWING   SHEET SCALE: 2:1

DESCRIPTION:
RECTANGULAR PANEL BOARD MOUNT USB- A

DWG. NO.
RPBU-XX-X-A-XX-XX

BY: T NEWTON 02/12/2010 SHEET 1 OF 10

F:\DWG\MISC\MKTG\RPBU-XX-X-A-XX-XX-MKT.SLDDRW

"B"

C_L

C_L

"B"

2.35±0.30 [.093±.01] (TYP)

2° MAX SWAY (TYP)

USBS-A-S-S-B-VT1

C_L

LC-05-TM

1.89 [.074]

SECTION "B"-"B"
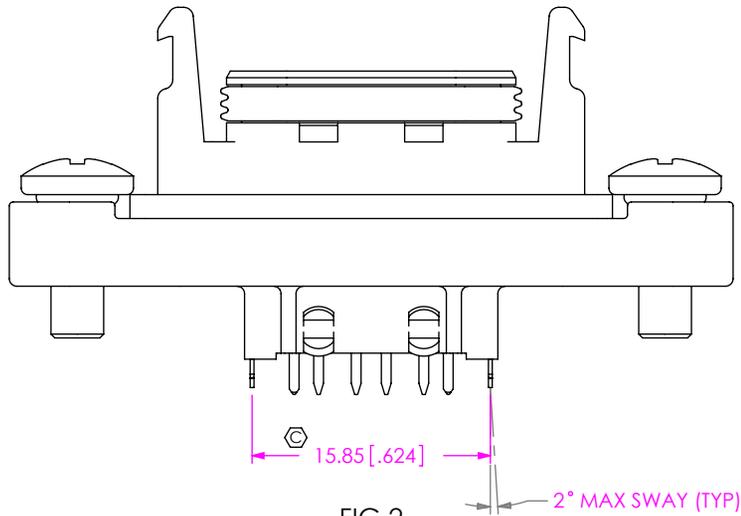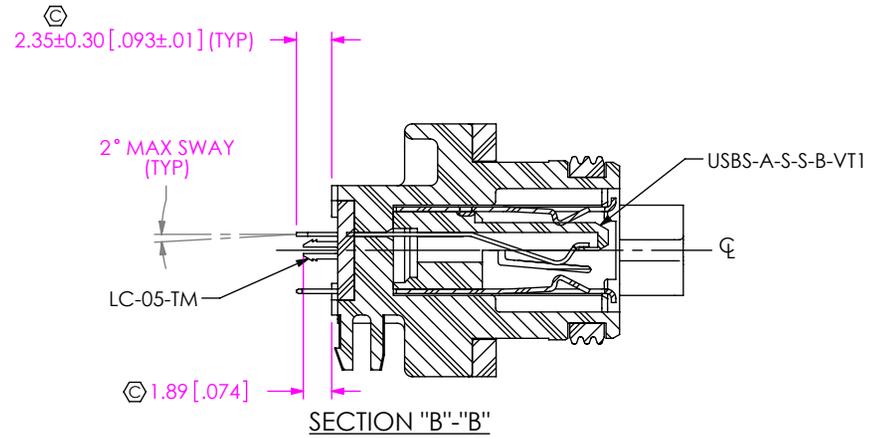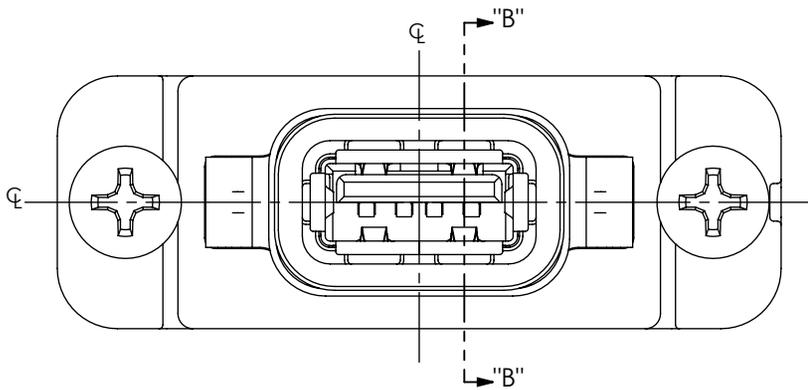
FIG 2
RPBU-01-X-A-VT-LC SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)

15.85 [.624]

2° MAX SWAY (TYP)

RECOMMENDED PANEL CUT OUT
(SEE NOTE 5)

"A" (SEE TABLE 1)

"B" (SEE TABLE 1)

"C" (SEE TABLE 1)

"D" (SEE TABLE 1)

C_L

Ø3.70 [.146]

C_L

7.00 [.276] 12.70 [.500]

R1.14 [.045]
(4 PLCS)

R1.25 [.049]
(4 PLCS)

R4.50 [.177]
(4 PLCS)
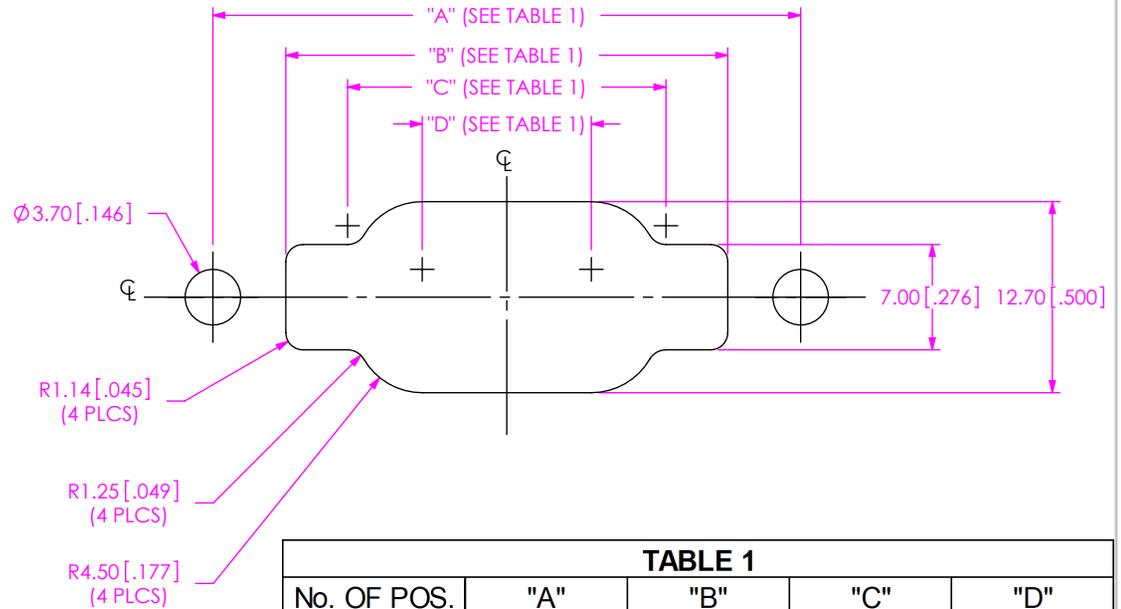
TABLE 1				
No. OF POS.	"A"	"B"	"C"	"D"
-01	39.10[1.54]	29.40[1.16]	21.18[0.83]	11.25[0.44]
-02	60.75[2.39]	51.05[2.01]	42.83[1.69]	32.90[1.30]

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:
RECTANGULAR PANEL BOARD MOUNT USB- A

DWG. NO.
RPBU-XX-X-A-XX-XX

BY: T NEWTON 02/12/2010   SHEET 2 OF 10

F:\DWG\MISC\MKTG\RPBU-XX-X-A-XX-XX-MKT.SLDDRW

REVISION G

53.75[2.116] REF

12.80±0.15[.504±.006]

16.80[.661] REF

OR-115-02

OR-114-02
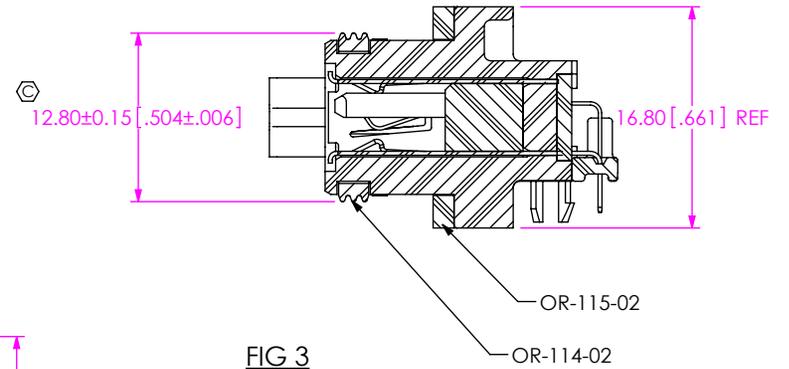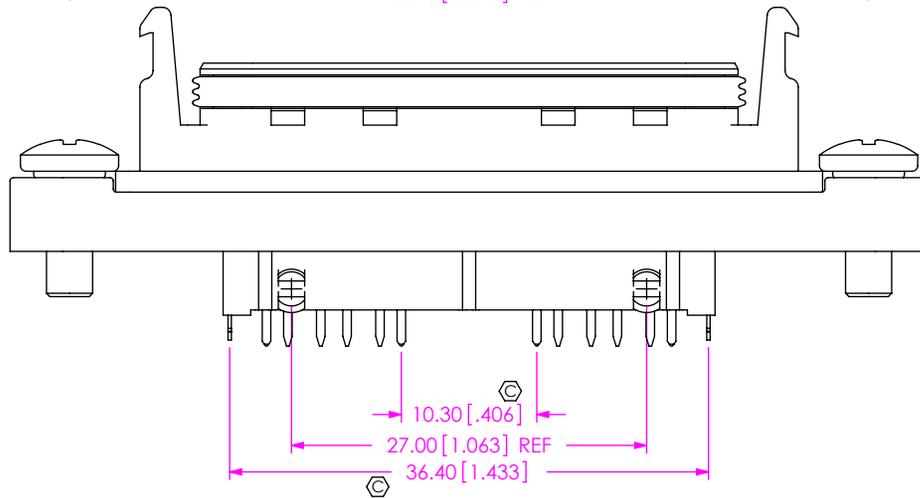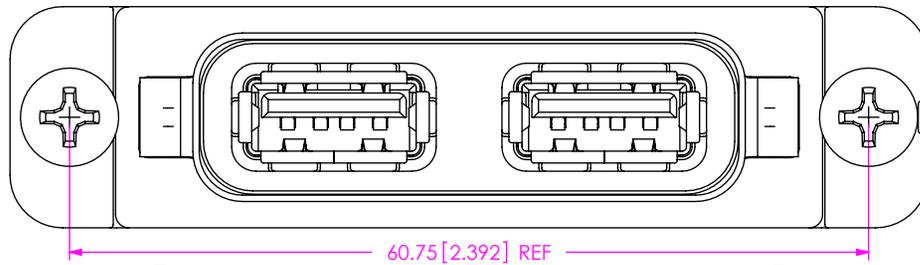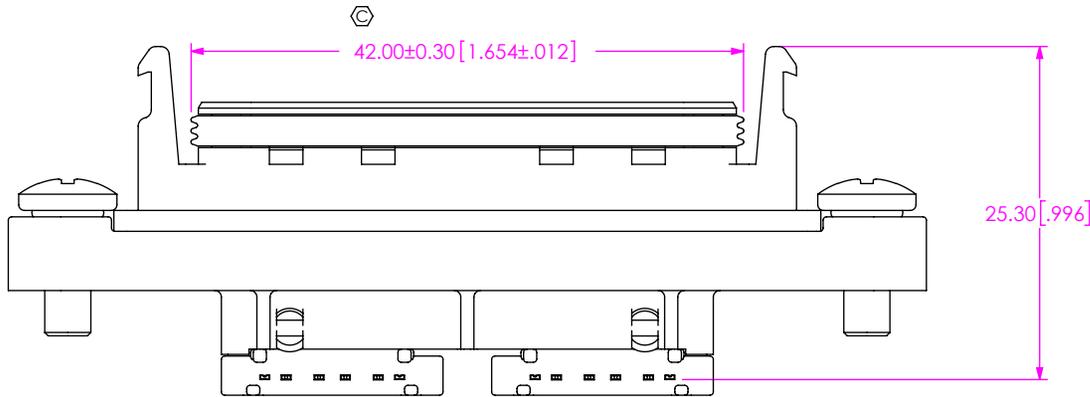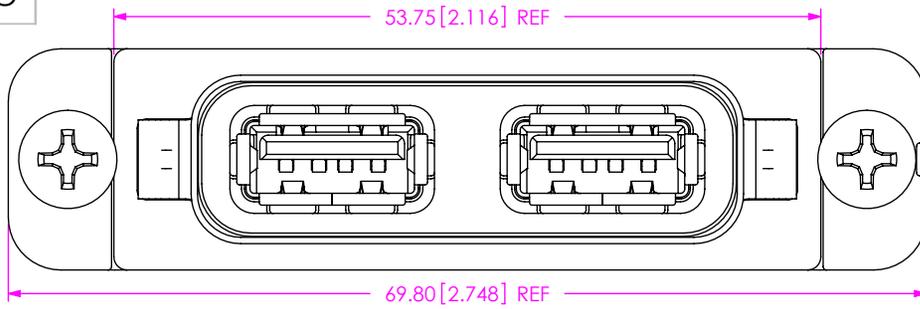
FIG 3
RPBU-02-X-A-RA SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)

69.80[2.748] REF

42.00±0.30[1.654±.012]

25.30[.996]

60.75[2.392] REF
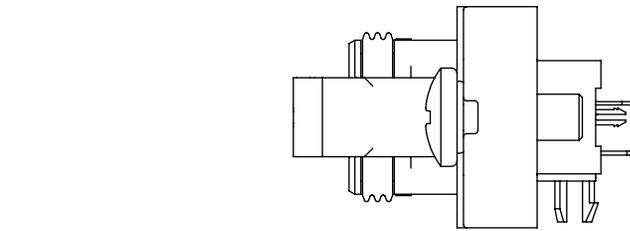
FIG 4
RPBU-02-X-A-VT-LC SHOWN
(SAME AS FIG 2, EXCEPT AS SHOWN)

10.30[.406]

27.00[1.063] REF

36.40[1.433]

DESCRIPTION:
RECTANGULAR PANEL BOARD MOUNT USB- A

DWG. NO.
RPBU-XX-X-A-XX-XX

BY: T NEWTON 02/12/2010   SHEET 3 OF 10

F:\DWG\MISC\MKTG\RPBU-XX-X-A-XX-XX-MKT.SLDDRW

REVISION G

-01 RA: IN-PROCESS 1
FILL USBS-A-S-S-B-VT2

"C"

"C"

RPBU-A-01

USBS-A-S-S-B-VT2

5.91 [.232] REF

9.7 [.38] (TYP) Ⓒ

SECTION "C"-"C"

5.45 [.215]

1.06 [.042]

-01 RA: IN-PROCESS 2
FORM SHIELD TAILS ON USBS-A-S-S-B-VT2

"D"

"D"

10.25 [.404]

Ⓒ 90° (TYP)

Ⓒ 1.75 [.069] (TYP)

2.35 [.093] REF

SECTION "D"-"D"

-01 RA: IN-PROCESS 3
FORM CONTACT TAILS ON USBS-A-S-S-B-VT2

"E"

"E"

7.00±0.20 [.276±.008]

2.00 [.079]

Ⓒ 90° (TYP)

Ⓒ 1.75 [.069] (TYP)

2.35 [.093] REF
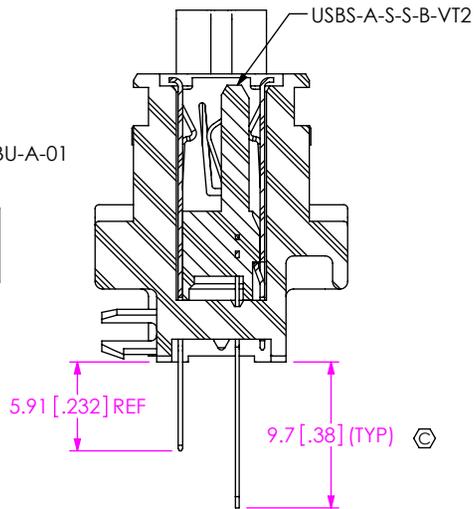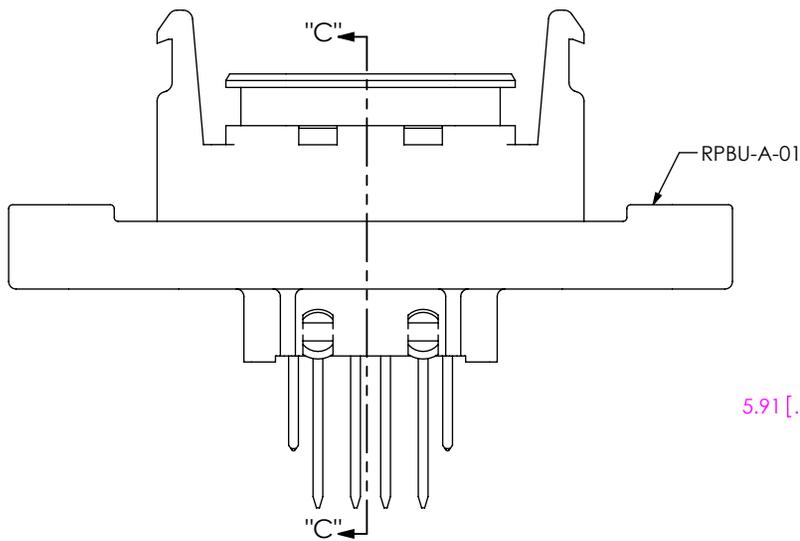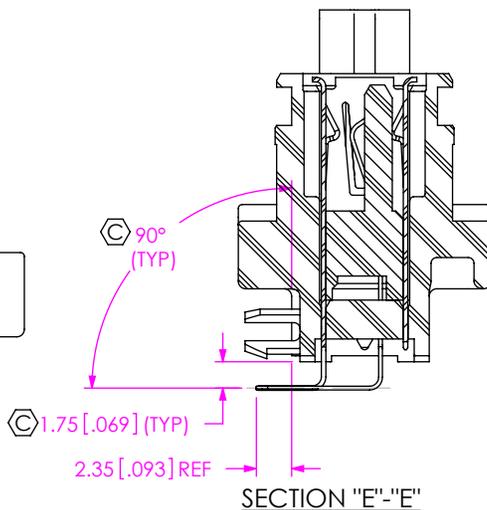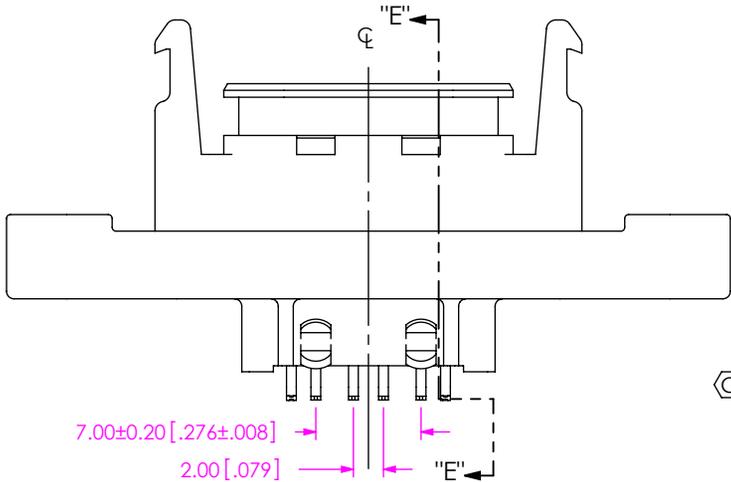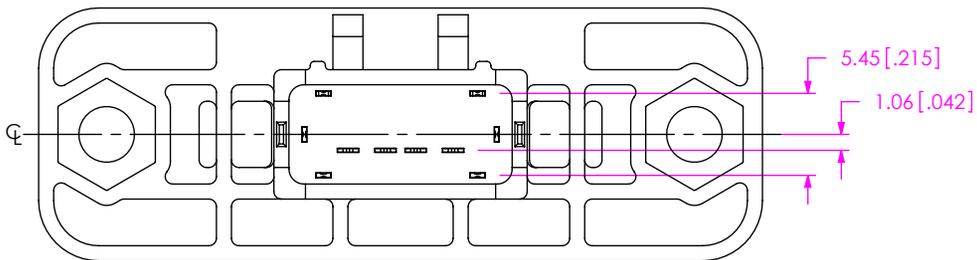
SECTION "E"-"E"

F:\DWG\MISC\MKTG\RPBU-XX-X-A-XX-XX-MKT.SLDDRW
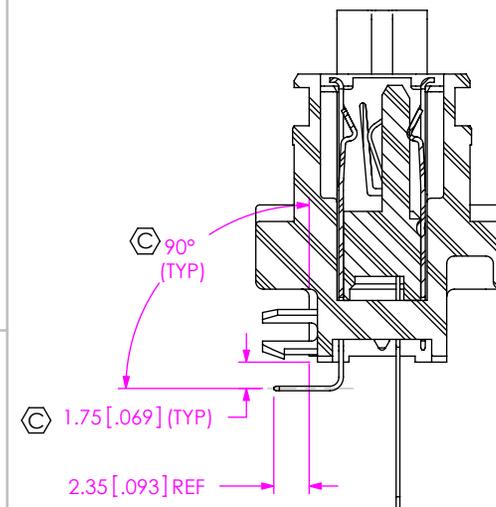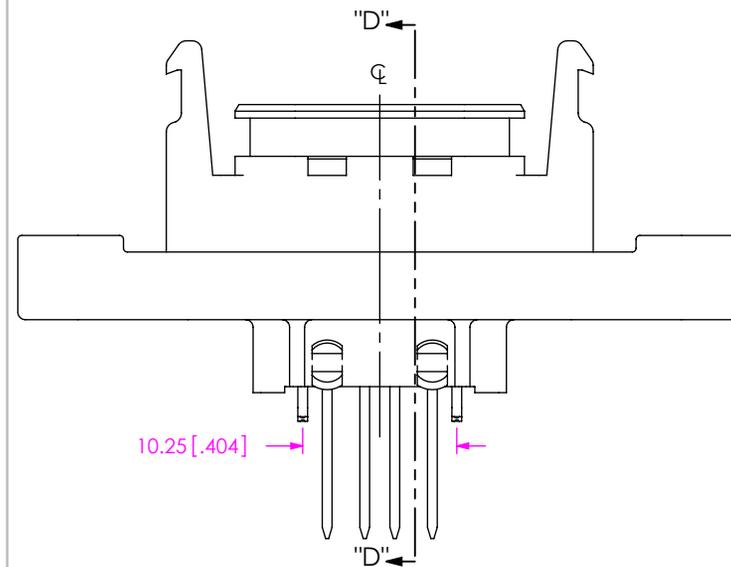
DESCRIPTION:
RECTANGULAR PANEL BOARD MOUNT USB- A

DWG. NO.
RPBU-XX-X-A-XX-XX

BY: T NEWTON 02/12/2010   SHEET 4 OF 10

REVISION G

-01 RA: IN-PROCESS 4
FILL DCN-01-06-32 & HEAT STAKE
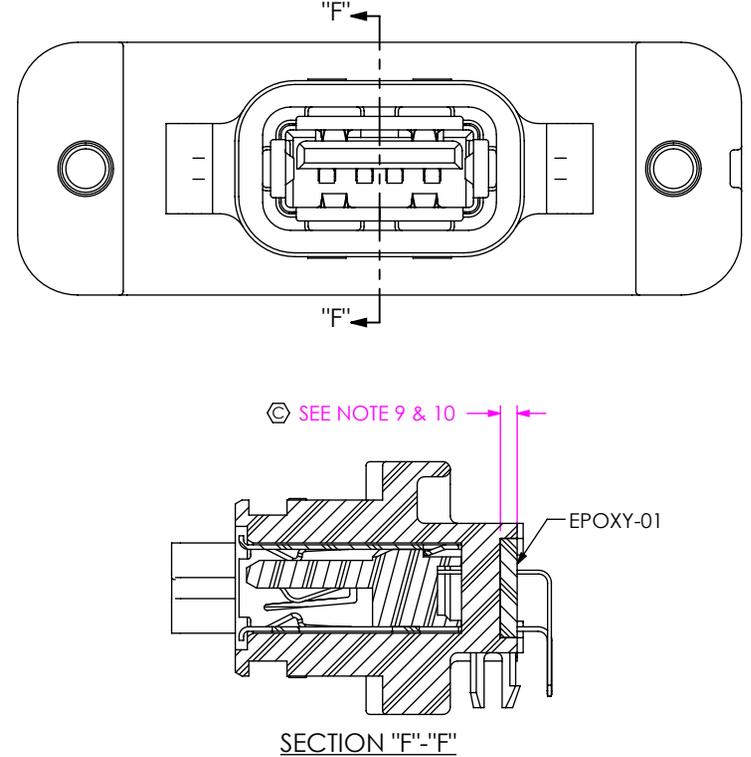
2.38 [.094] REF

1.05 +0.13 -0.38 [.042 +.005 -.015] Ⓒ

6-32 UNC-2B

6.4 [.25] REF

DCN-01-06-32 (2 PLCS)

-01 RA: IN-PROCESS 5
FILL EPOXY-01

"F"

"F"

Ⓒ SEE NOTE 9 & 10

EPOXY-01

SECTION "F"-"F"

-01 RA: IN-PROCESS 6
FILL RPBU-A-XX-B

RPBU-A-XX-B

Ⓒ 10.25 +0.20 -0.13 [.404 +.008 -.005]

Ⓒ 7.00±0.20 [.276±.008]

Ⓒ 2.00±0.15 [.079±.006]

90° (TYP)

Ⓒ 1.75 [.069]

7.95 [.313]

9.15 [.360]

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:
RECTANGULAR PANEL BOARD MOUNT USB- A

DWG. NO.
RPBU-XX-X-A-XX-XX

BY: T NEWTON 02/12/2010   SHEET 5 OF 10

F:\DWG\MISC\MKTG\RPBU-XX-X-A-XX-XX-MKT.SLDDRW

-01 VT: IN-PROCESS 1
FILL LC-05-TM

1.89 [.074] ©

LC-05-TM

RPBU-A-01
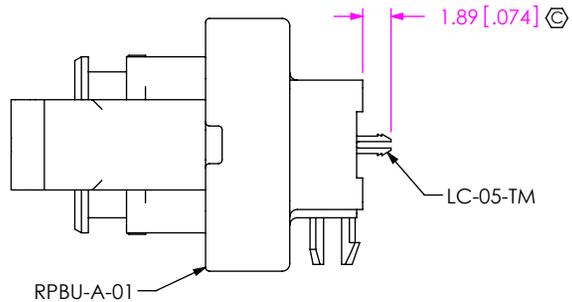
-01 VT: IN-PROCESS 2
FILL USBS-A-S-S-B-VT1
(SAME AS -01RA: IN-PROCESS 1, EXCEPT AS SHOWN)

USBS-A-S-S-B-VT1

2.35±0.30 [.093±.012] (TYP) ©

10.25 [.404] ©

7.00 [.276] ©

2.00 [.079] ©

-01 VT: IN-PROCESS 3
FILL DCN-01-06-32 & HEAT STAKE
### (SAME AS -01 RA: IN-PROCESS 4, EXCEPT AS SHOWN)

DCN-01-06-32

-01 VT: IN-PROCESS 4
FILL EPOXY-01
(SAME AS -01 RA: IN-PROCESS 5, EXCEPT AS SHOWN)

SEE NOTE 9 & 10 ©

EPOXY-01

F:\DWG\MISC\MKTG\RPBU-XX-X-A-XX-XX-MKT.SLDDRW

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

samtec

DESCRIPTION:
RECTANGULAR PANEL BOARD MOUNT USB- A

DWG. NO.
RPBU-XX-X-A-XX-XX

BY: T NEWTON 02/12/2010   SHEET 6 OF 10

-02 RA: IN-PROCESS 1
FILL USBS-A-S-S-B-VT2
(SAME AS -01 RA: IN-PROCESS 1, EXCEPT AS SHOWN)

"H"

"H"

RPBU-A-02

USBS-A-S-S-B-VT2

SECTION "H"-"H"
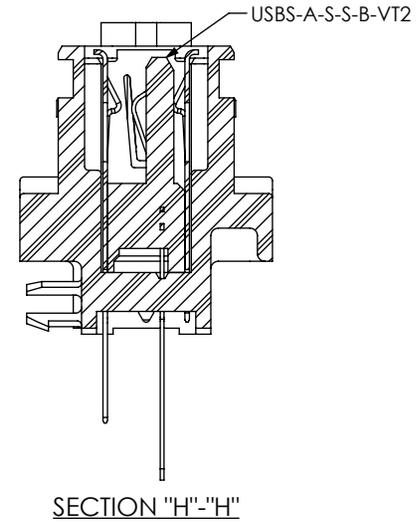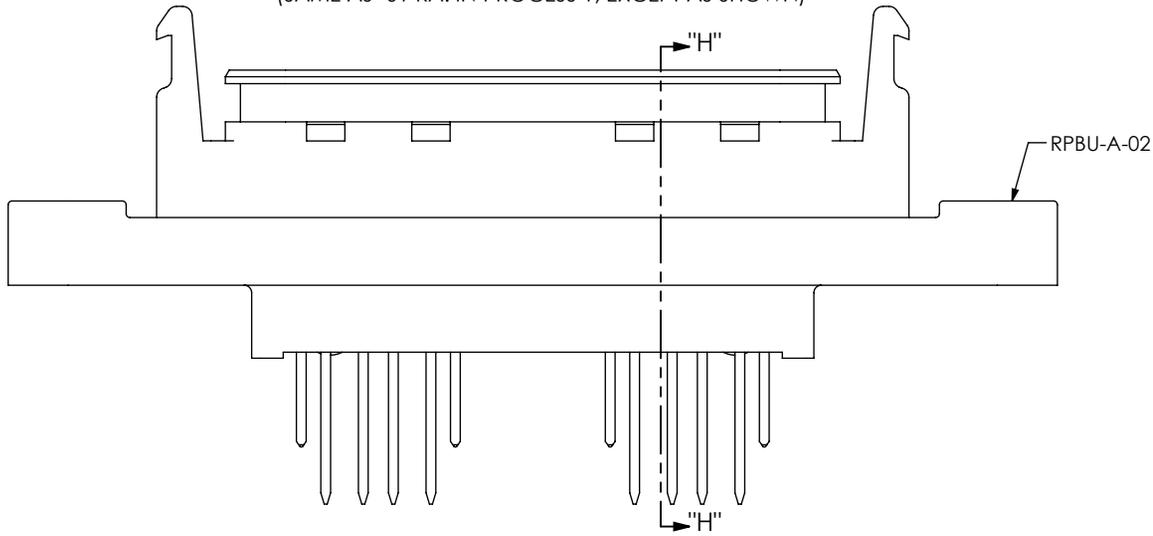
-02 RA: IN-PROCESS 2
FORM SHIELD TAILS ON USBS-A-S-S-B-VT2
(SAME AS -01 RA: IN-PROCESS 2, EXCEPT AS SHOWN)
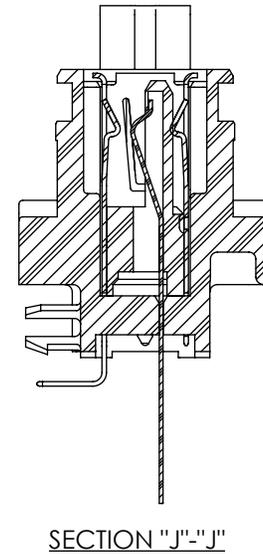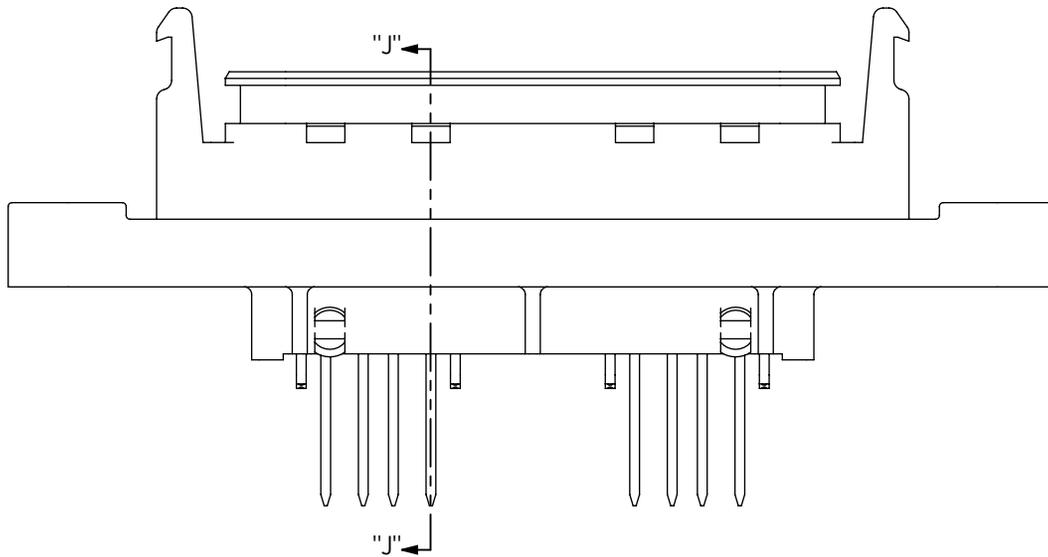
"J"

"J"

SECTION "J"-"J"

DESCRIPTION:
RECTANGULAR PANEL BOARD MOUNT USB- A

DWG. NO.
RPBU-XX-X-A-XX-XX

BY: T NEWTON 02/12/2010   SHEET 7 OF 10

F:\DWG\MISC\MKTG\RPBU-XX-X-A-XX-XX-MKT.SLDDRW

-02 RA: IN-PROCESS 3
FORM CONTACT TAILS ON USBS-A-S-S-B-VT2
(SAME AS -01 RA: IN-PROCESS 3, EXCEPT AS SHOWN)

"L"

C̶L

"L"
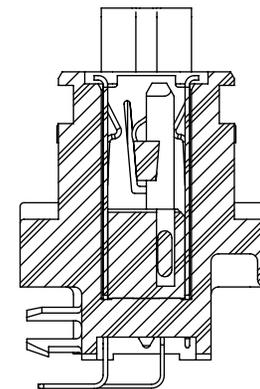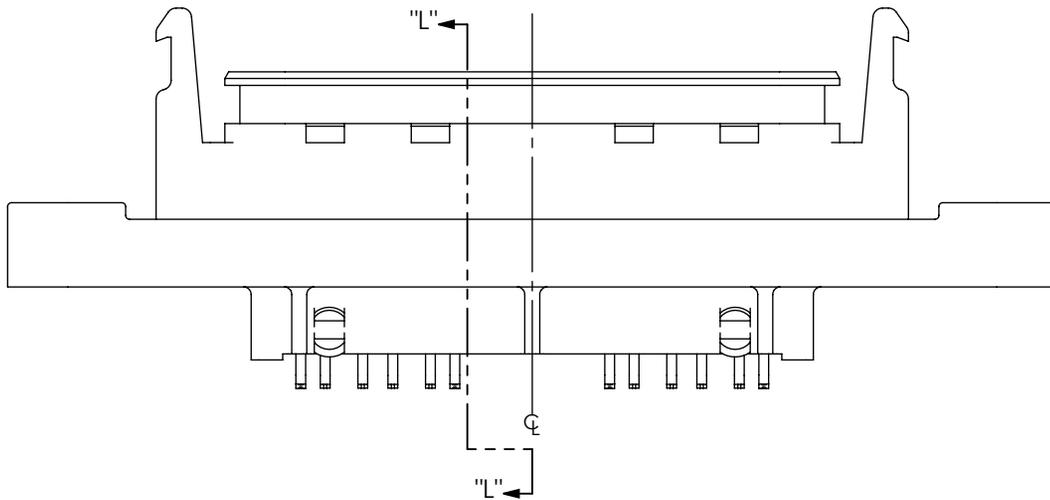
SECTION "L"-"L"

-02 RA: IN-PROCESS 4
FILL DCN-01-06-32 & HEAT STAKE
(SAME AS -01 RA: IN-PROCESS 4, EXCEPT AS SHOWN)
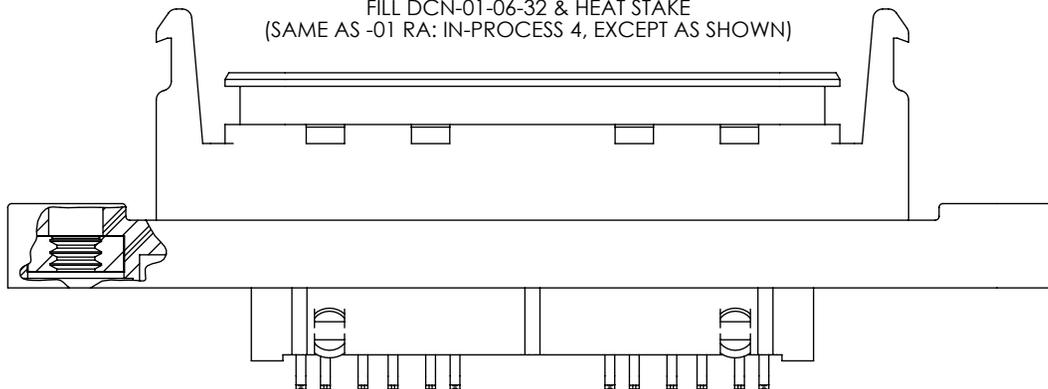
6-32 UNC-2B
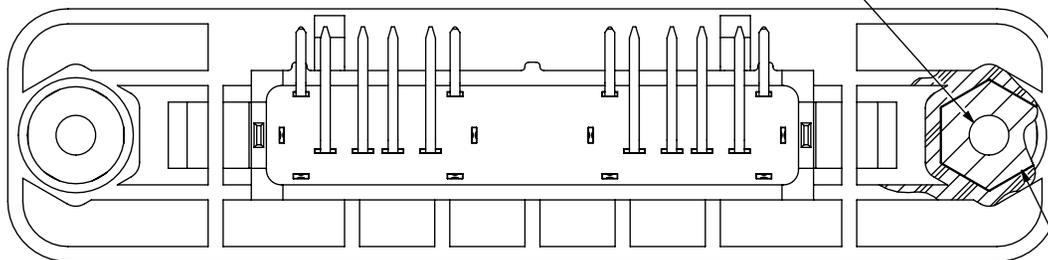
DCN-01-06-32
(2 PLCS)

samtec

DESCRIPTION:
RECTANGULAR PANEL BOARD MOUNT USB- A

DWG. NO.
RPBU-XX-X-A-XX-XX

BY: T NEWTON 02/12/2010   SHEET 8 OF 10

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REVISION G

-02 RA: IN-PROCESS 5
FILL EPOXY-01
(SAME AS -01 RA: IN-PROCESS 5, EXCEPT AS SHOWN)

"M"

"M"

SEE NOTE 9 & 10

EPOXY-01

SECTION "M"-"M"
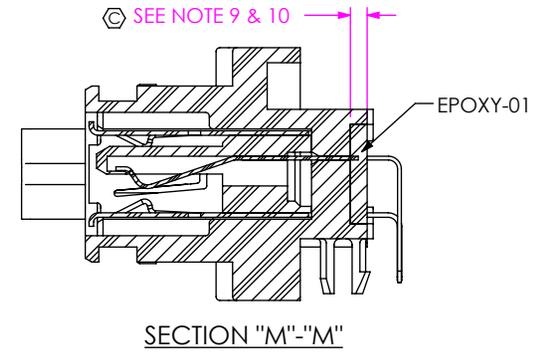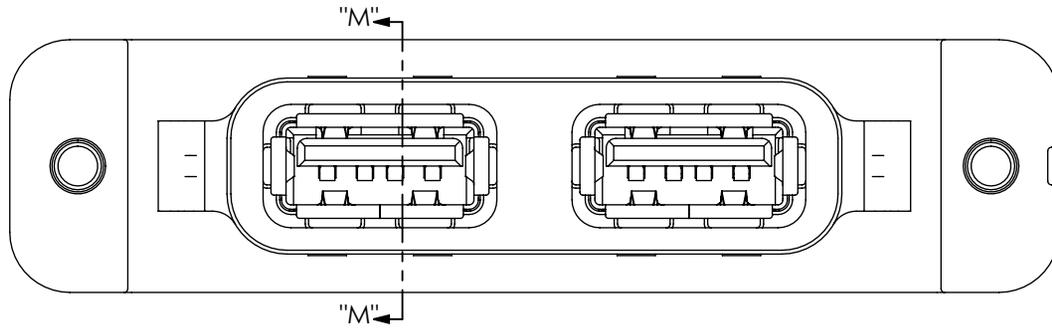
-02 RA: IN-PROCESS 6
FILL RPBU-A-XX-B
(SAME AS -01 RA: IN-PROCESS 6, EXCEPT AS SHOWN)
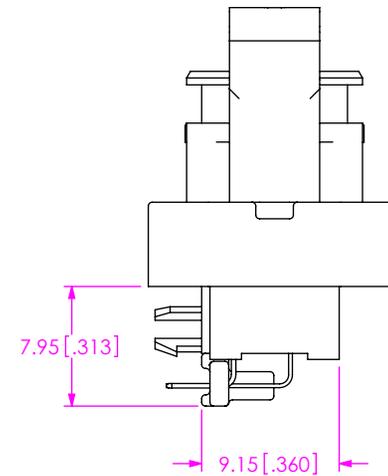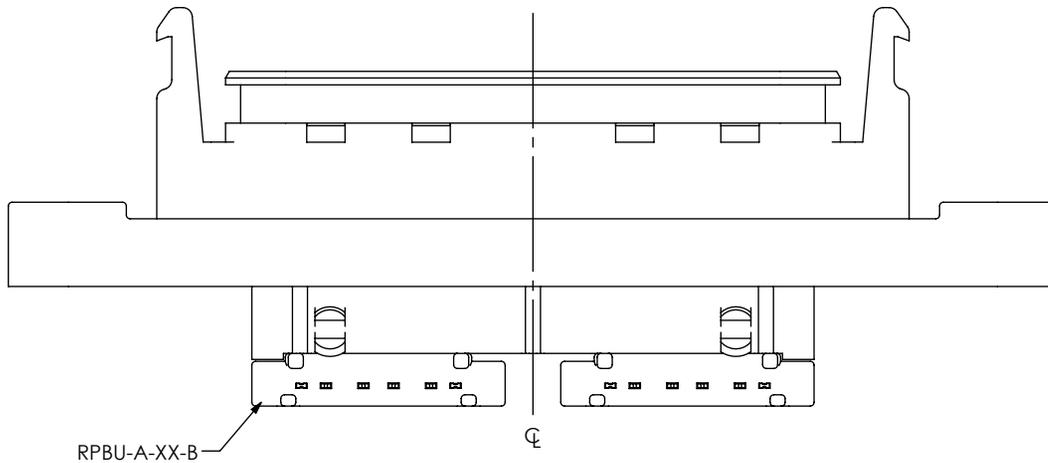
RPBU-A-XX-B

CL

7.95 [.313]

9.15 [.360]

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:
RECTANGULAR PANEL BOARD MOUNT USB- A

DWG. NO.
RPBU-XX-X-A-XX-XX

BY: T NEWTON 02/12/2010   SHEET 9 OF 10

F:\DWG\MISC\MKTG\RPBU-XX-X-A-XX-XX-MKT.SLDDRW

REVISION G

-02 VT: IN-PROCESS 1
FILL LC-05-TM
(SAME AS -01 VT: IN-PROCESS 1)

LC-05-TM

RPBU-A-02
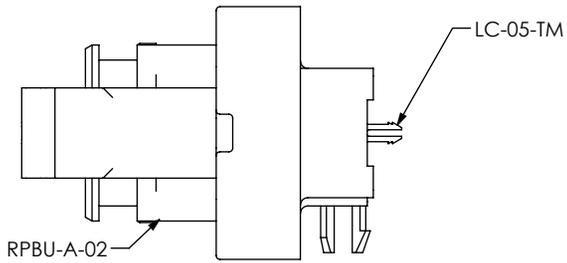
-02 VT: IN-PROCESS 2
FILL USBS-A-S-S-B-VT1
(SAME AS -02 RA: IN-PROCESS 1, EXCEPT AS SHOWN)

USBS-A-S-S-B-VT1
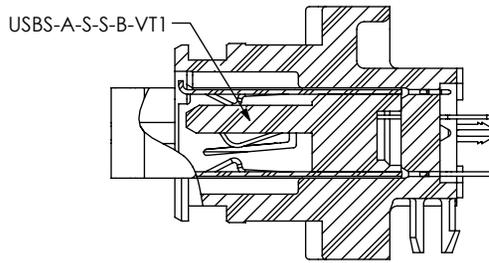
-02 VT: IN-PROCESS 4
FILL EPOXY-01
(SAME AS -02 RA: IN-PROCESS 5, EXCEPT AS SHOWN)

Ⓒ SEE NOTE 9 & 10

EPOXY-01
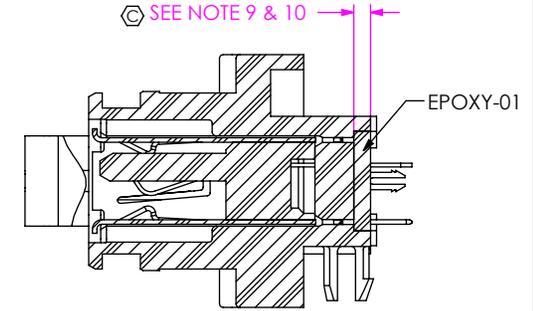
-02 VT: IN-PROCESS 3
FILL DCN-01-06-32 & HEAT STAKE
(SAME AS -02 RA: IN-PROCESS 4, EXCEPT AS SHOWN)

DCN-01-06-32
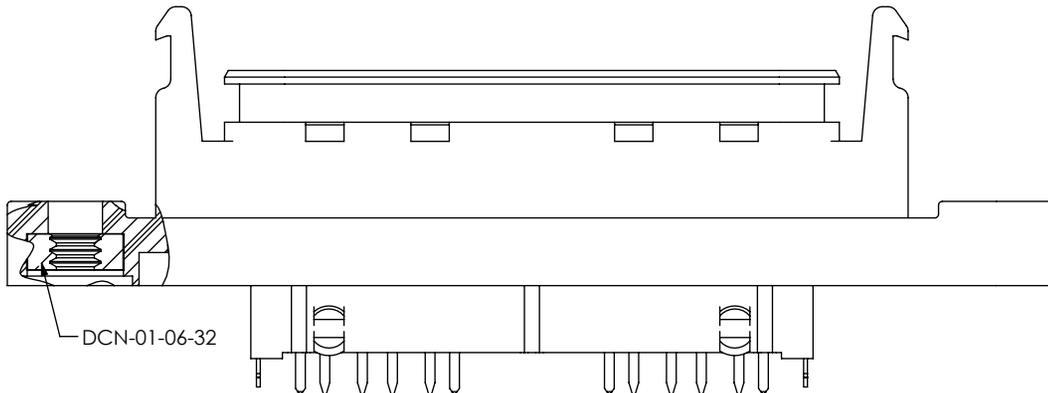
PACKAGING VIEW
(SEE NOTE 7)
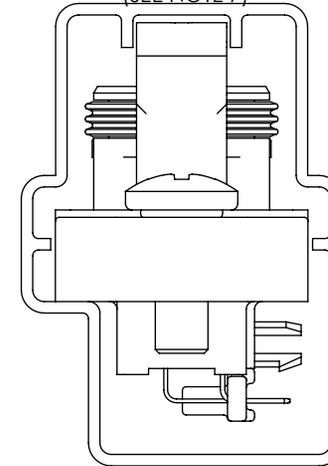
TUBE: PT-RPBU001
PLUG: TP-31

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:
RECTANGULAR PANEL BOARD MOUNT USB- A

DWG. NO.
RPBU-XX-X-A-XX-XX

BY: T NEWTON 02/12/2010 | SHEET 10 OF 10