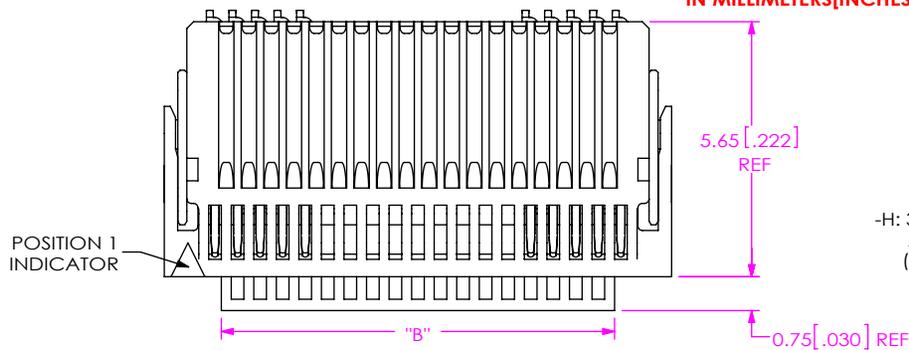


DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS(INCHES)

UEC5-XXX-1-X-D-RA-X-A



No. OF POSITIONS
-019, *-025, *-038, *-050 (PER ROW)

LEAD STYLE
-1:

PLATING SPECIFICATION
-H: 30µ" GOLD IN CONTACT AREA. GOLD FLASH ON TAIL (USE C-409-01-H, C-410-01-H)

ROW SPECIFICATION
-D: DOUBLE ROW

OPTION
-A: ALIGNMENT PIN

WELD TAB STYLE
-1: THRU HOLE
-2: SURFACE MOUNT

RIGHT ANGLE
-RA: RIGHT ANGLE

(* = NOT TOOLED)

MULTIPLE PATENTS PENDING

THIS IS THE SECOND GENERATION DESIGN OF THE UEC5 (RUGGEDIZED). SEE DRAWING No ASP-180864-01 FOR THE ORIGINAL DESIGN (ONLY AVAILABLE TO EXISTING CUSTOMERS)

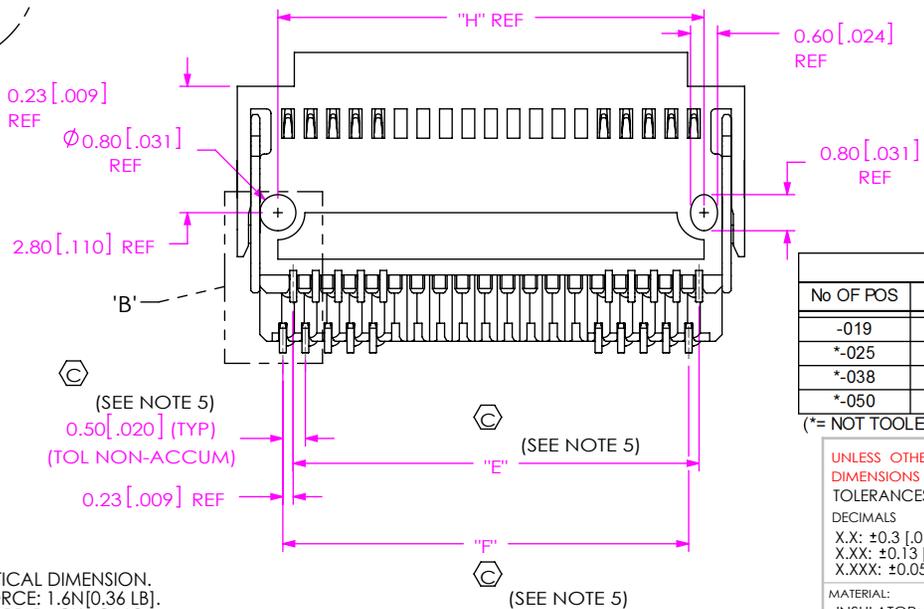
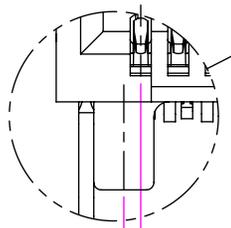
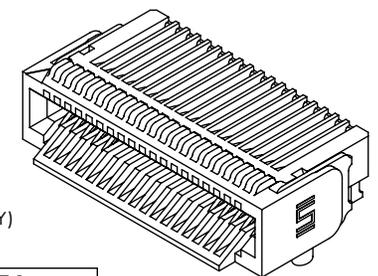
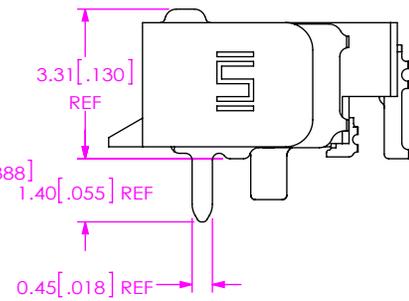
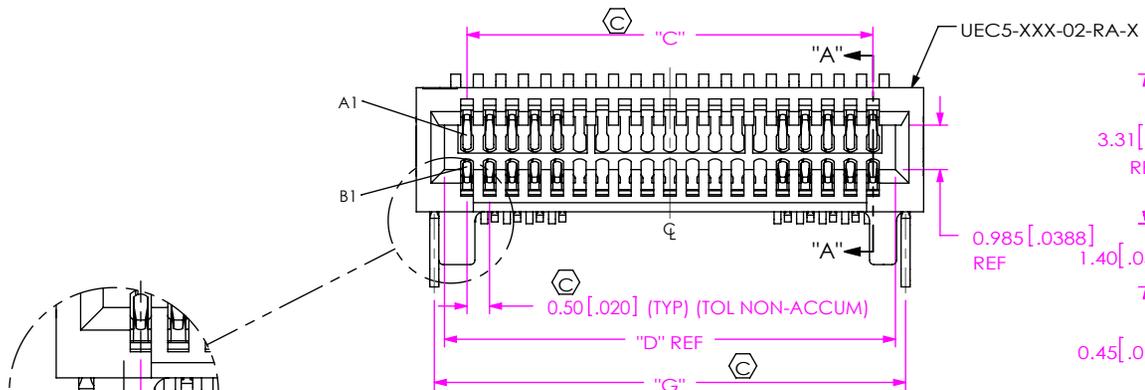


TABLE 2

No. OF POS	"A"
-019	11.25 [0.443]
*-025	14.25 [0.561]
*-038	22.00 [0.866]
*-050	28.00 [1.102]

(* = NOT TOOLED)

TABLE 1

No OF POS	"B"	"C"	"D"	"E"	"F"	"G"	"H"
-019	8.72 [0.343]	9.00 [0.354]	10.00 [0.394]	9.00 [0.354]	9.00 [0.354]	10.45 [0.411]	9.45 [0.372]
*-025	11.72 [0.461]	12.00 [0.472]	13.00 [0.512]	12.00 [0.472]	12.00 [0.472]	13.45 [0.530]	12.45 [0.490]
*-038	8.72 [0.343]	19.75 [0.778]	N/A	19.75 [0.778]	19.75 [0.778]	21.20 [0.835]	20.20 [0.795]
*-050	11.72 [0.461]	25.75 [1.014]	N/A	25.75 [1.014]	25.75 [1.014]	27.20 [1.071]	26.20 [1.031]

(* = NOT TOOLED)

- NOTES:
- ⊗ REPRESENTS A CRITICAL DIMENSION.
 - MINIMUM PUSHOUT FORCE: 1.6N[0.36 LB].
 - TAPE & REEL IS STANDARD PACKAGING.
 - FOR QUANTITIES UP TO 49 PIECES, NO LEADER, TRAILER OR EIA-481 REEL WILL BE SUPPLIED. FOR QUANTITIES 50-124, NO LEADER OR TRAILER WILL BE SUPPLIED.
 - USE INSPECTION FIXTURE, SAMTEC P/N AT-2450-800, WHEN INSPECTING SOLDERTAIL CRITICAL DIMENSIONS.
 - K-DOT PROVIDED AS STANDARD.

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]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 6:1
INSULATOR: LCP, COLOR: BLACK
CONTACT: BeCu



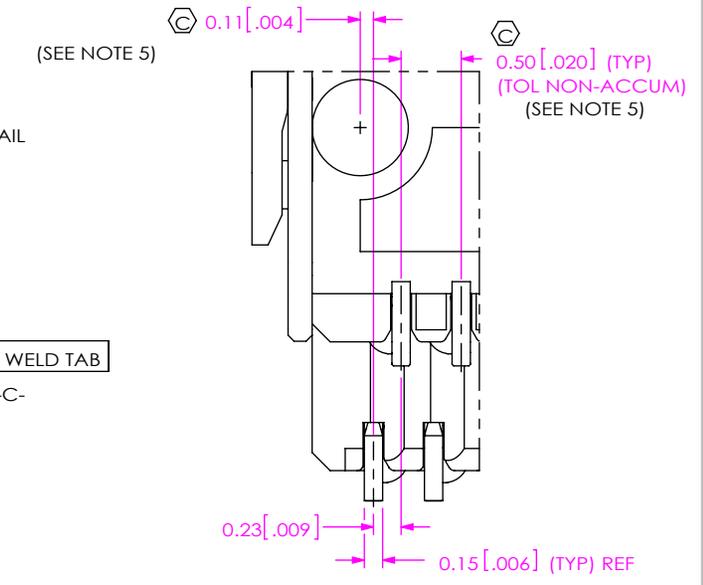
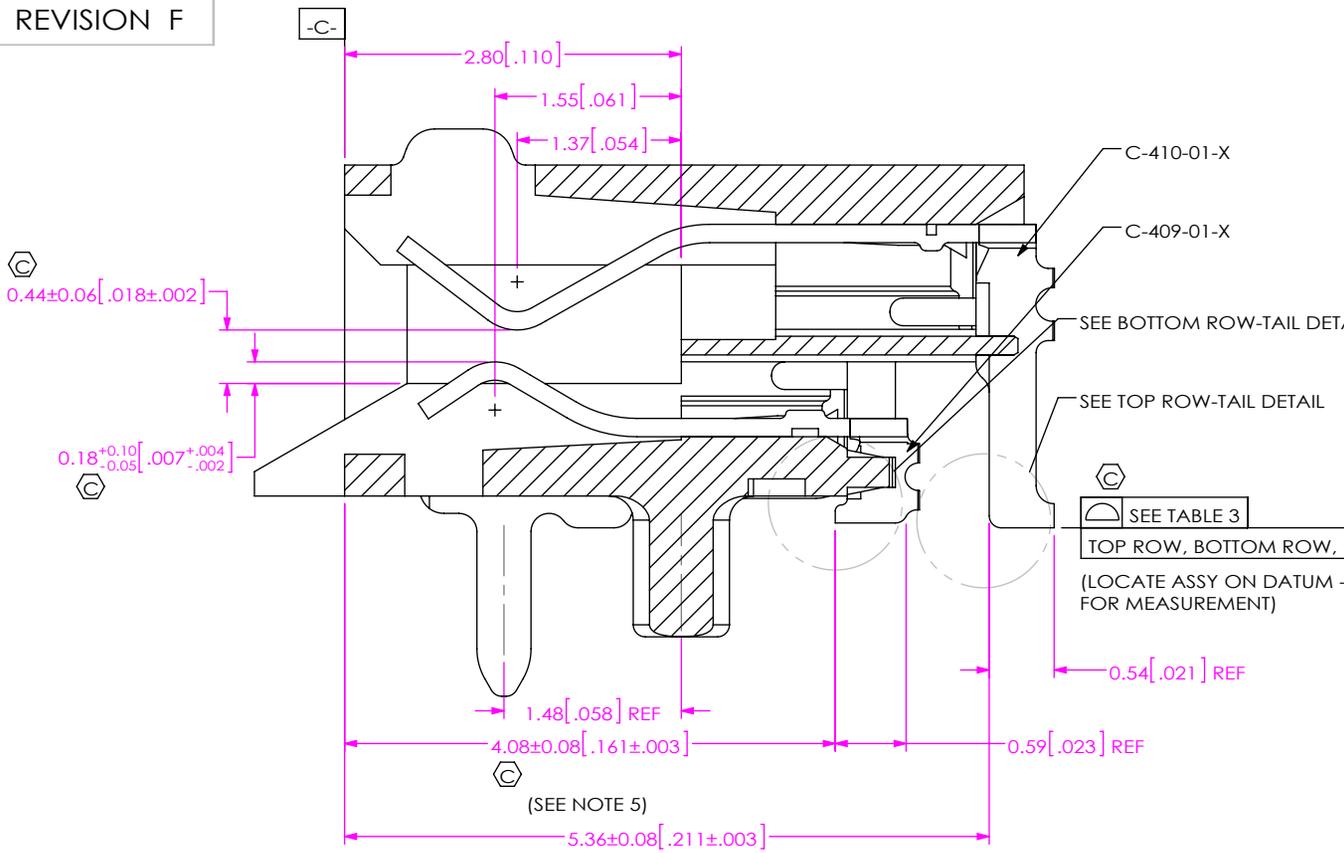
DESCRIPTION:
0.5MM EDGE RATE SOCKET ASSEMBLY

DWG. NO.
UEC5-XXX-1-X-D-RA-X-A

BY: KNOWLDEN 9/10/2013 SHEET 1 OF 5

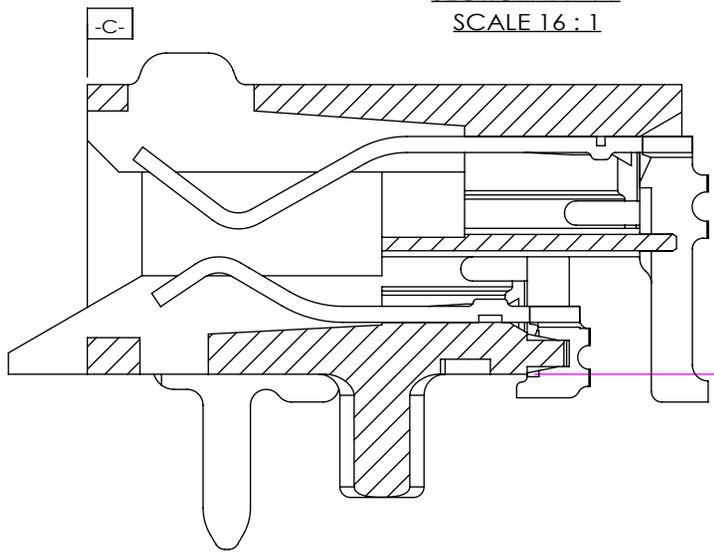
TABLE 3			
No OF POS	BOTTOM ROW STRAIGHTNESS	TOP ROW STRAIGHTNESS	COPLANARITY
-019, *-025	0.10 [0.004]	0.10 [0.004]	0.10 [0.004]
*-038, *-050	0.10 [0.004]	0.10 [0.004]	0.13 [0.005]

(* = NOT TOOLED)

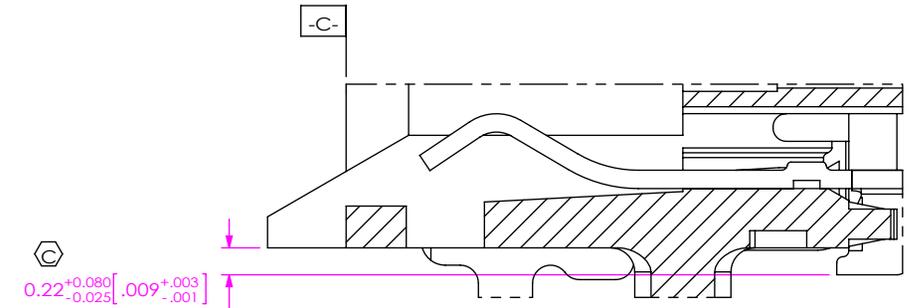


SCALE 16:1

SECTION "A"- "A"
SCALE 16:1



TOP ROW-TAIL DETAIL
(LOCATE ASSY ON DATUM -C- FOR MEASUREMENT)



BOTTOM ROW-TAIL DETAIL
(LOCATE ASSY ON DATUM -C- FOR MEASUREMENT)

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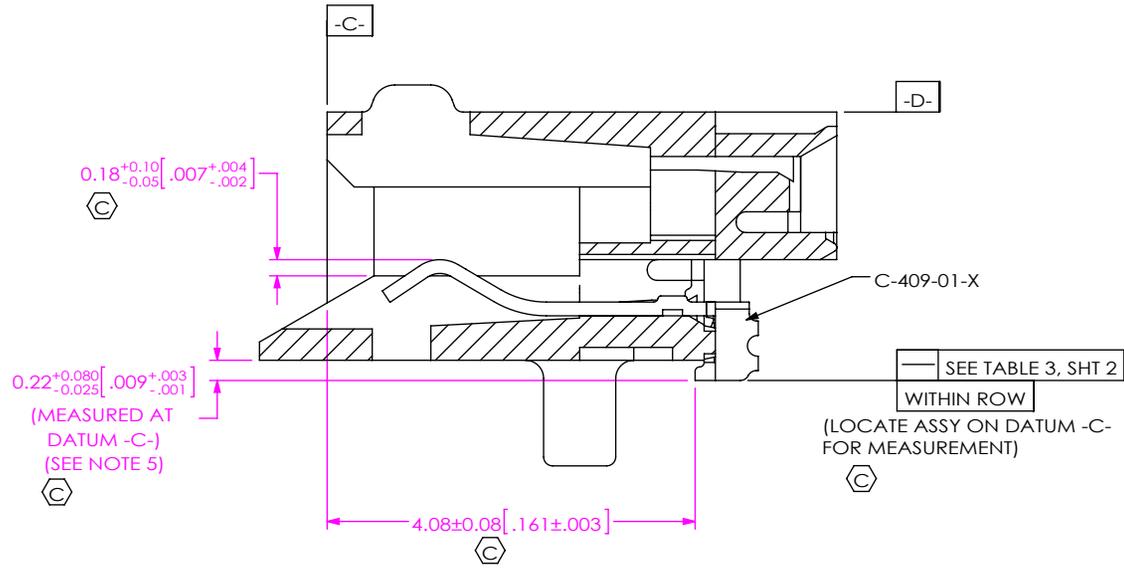
SHEET SCALE: 16:1



DESCRIPTION:
0.5MM EDGE RATE SOCKET ASSEMBLY

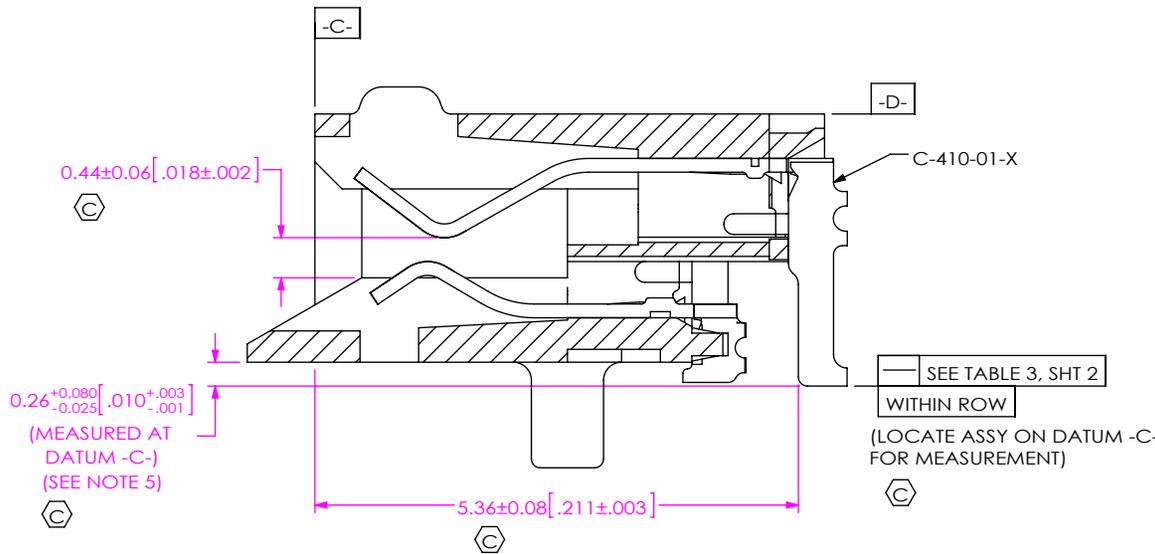
DWG. NO.
UEC5-XXX-1-X-D-RA-X-A

BY: KNOWLDEN 9/10/2013 SHEET 2 OF 5



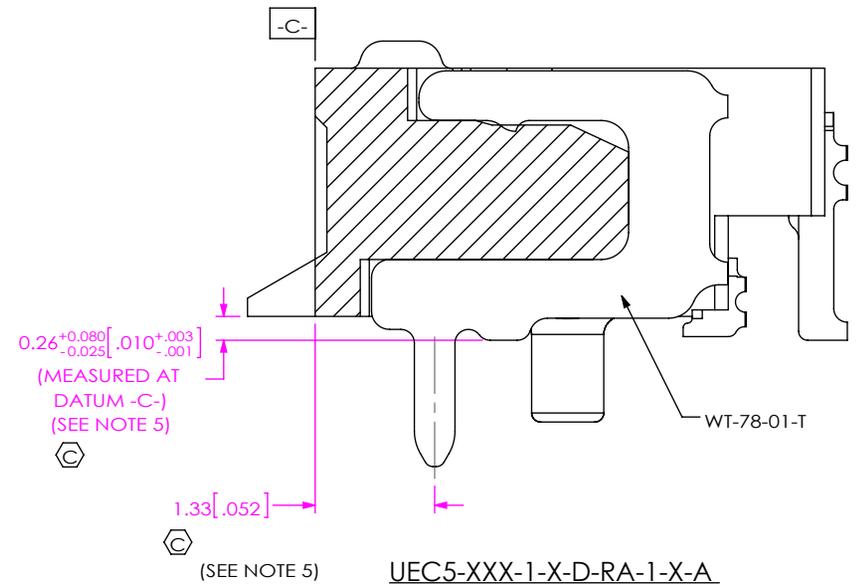
(SEE NOTE 5)
(LOCATE ASSY ON DATUM -D- FOR MEASUREMENT)

IN-PROCESS 1
FILL C-409-01-X

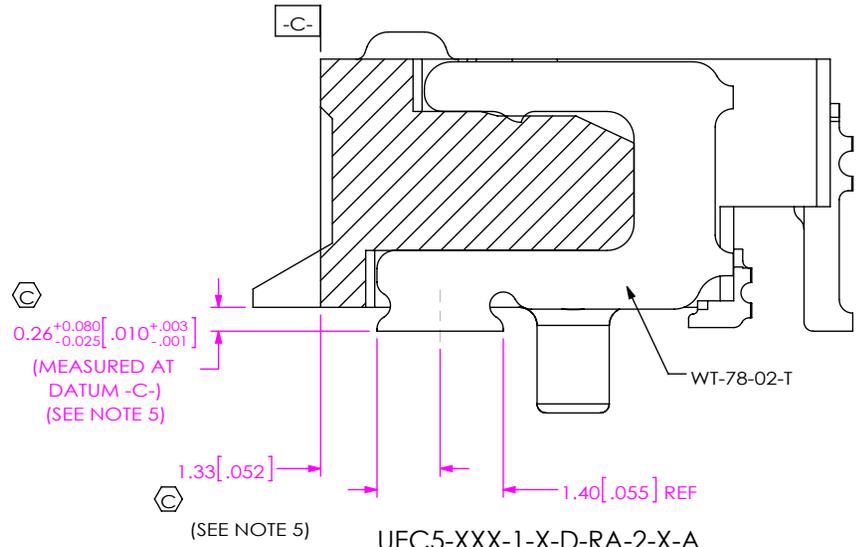


(SEE NOTE 5)
(LOCATE ASSY ON DATUM -D- FOR MEASUREMENT)

IN-PROCESS 2
FILL C-410-01-X



UEC5-XXX-1-X-D-RA-1-X-A
IN-PROCESS 3
(FILL WT-78-01-X, THRU HOLE WELD TAB)



UEC5-XXX-1-X-D-RA-2-X-A
ALTERNATE IN-PROCESS 3
(FILL WT-78-02-X, SURFACE MOUNT WELD TAB)

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DO NOT SCALE DRAWING

SHEET SCALE: 12:1



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

DESCRIPTION:
0.5MM EDGE RATE SOCKET ASSEMBLY

DWG. NO.
UEC5-XXX-1-X-D-RA-X-A

BY: KNOWLDEN 9/10/2013 SHEET 3 OF 5

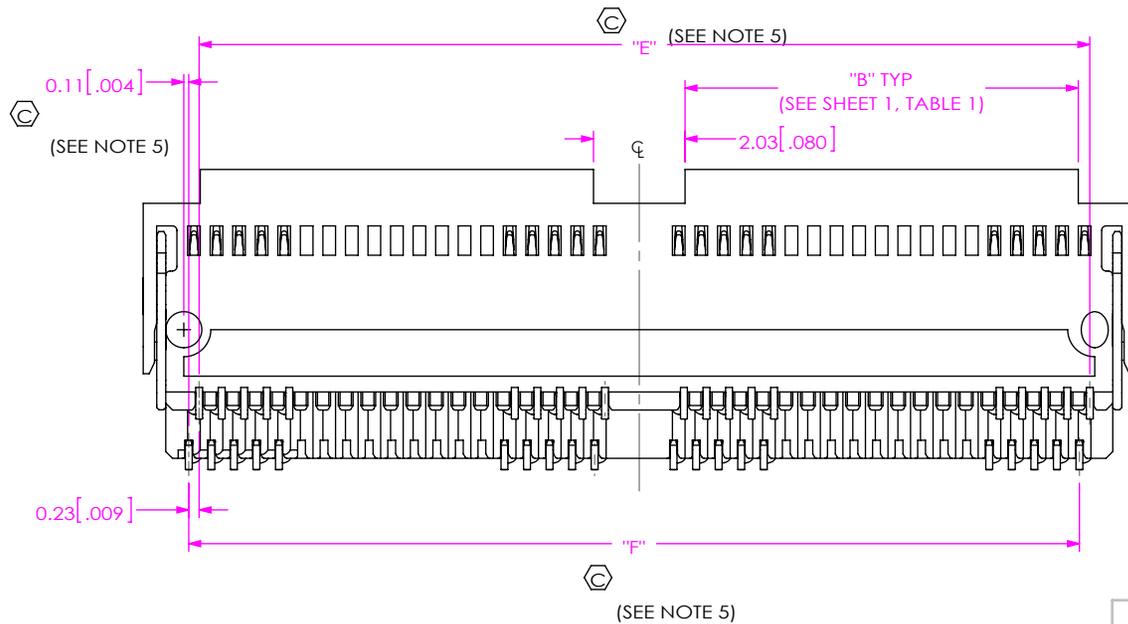
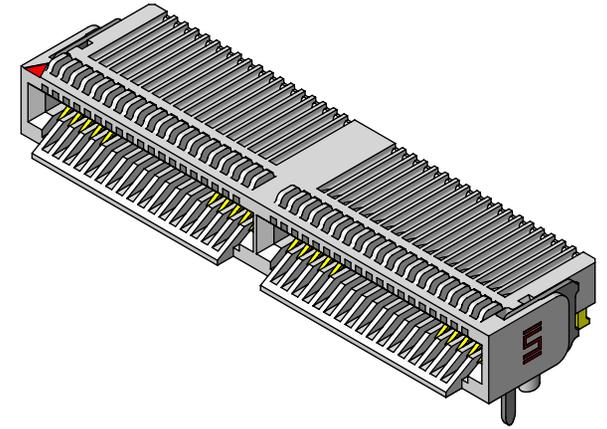
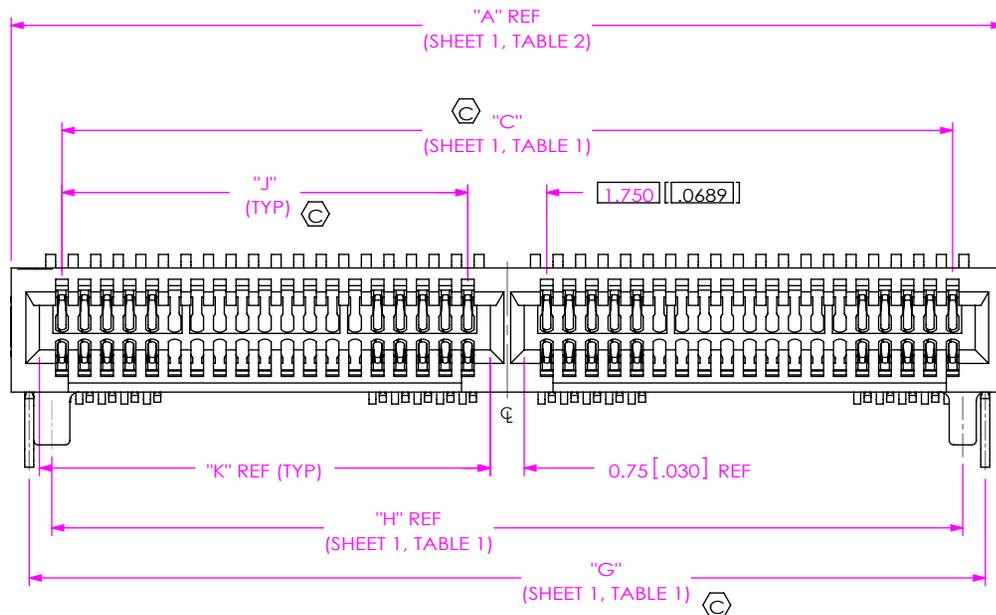


TABLE 4		
No OF POS	"J"	"K"
-019	N/A	N/A
*-025	N/A	N/A
*-038	9.00 [0.354]	10.00 [0.394]
*-050	12.00 [0.472]	13.00 [0.512]

(* = NOT TOOLED)

FIG 2
 UEC5-038-1-X-D-RA-1-A SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)
 (PP NOT SHOWN FOR CLARITY)
 (NOT TOOLED)

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SHEET SCALE: 6:1



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

DESCRIPTION:
 0.5MM EDGE RATE SOCKET ASSEMBLY

DWG. NO.
 UEC5-XXX-1-X-D-RA-X-A

BY: KNOWLDEN 9/10/2013 SHEET 4 OF 5

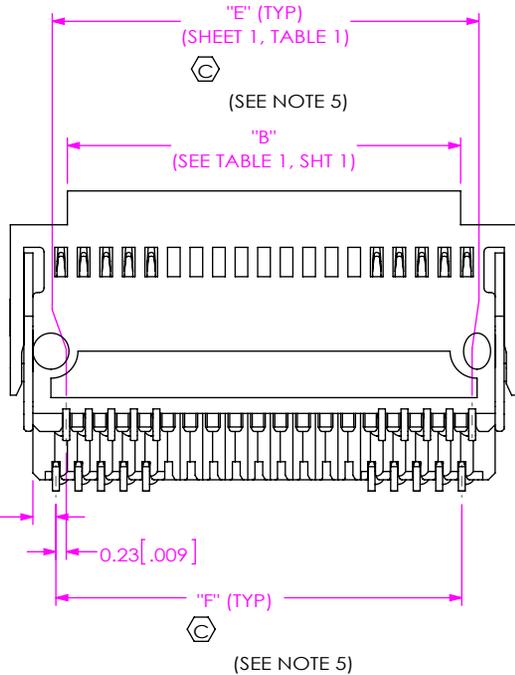
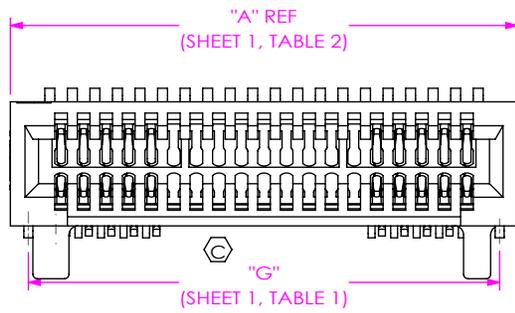


FIG 3
 UEC5-025-1-X-D-RA-2 SHOWN
 (NO ALIGNMENT PIN OPTION)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)
 (PP NOT SHOWN FOR CLARITY)
 (NOT TOOLED)

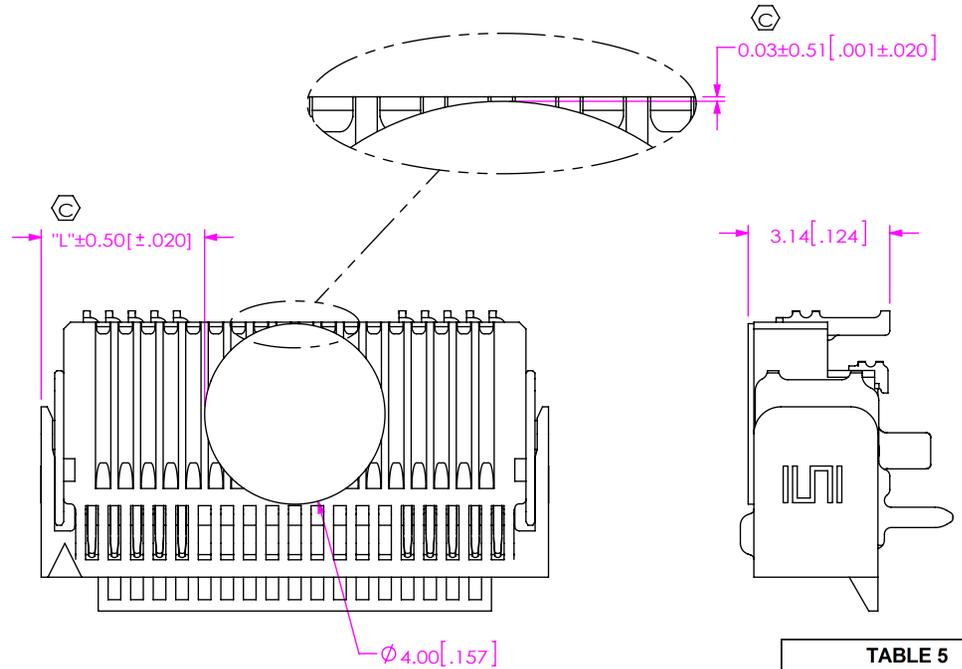
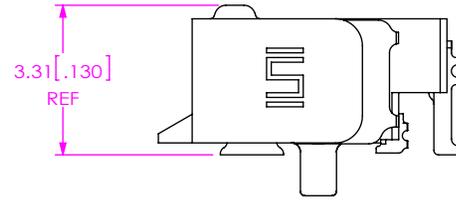


FIG 4
 POLYIMIDE PAD
 UEC5-019-1-X-D-RA-X-A SHOWN
 (USE K-DOT-.157-.250-.005)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)
 (SEE NOTE 6)

No. OF POS	"L"
-019	3.62 [0.143]
*-025	5.12 [0.202]
*-038	9.00 [0.354]
*-050	12.00 [0.472]

(* = NOT TOOLED)

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DO NOT SCALE DRAWING

SHEET SCALE: 6:1

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 e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
 0.5MM EDGE RATE SOCKET ASSEMBLY

DWG. NO.
 UEC5-XXX-1-X-D-RA-X-A

BY: KNOWLDEN 9/10/2013 SHEET 5 OF 5