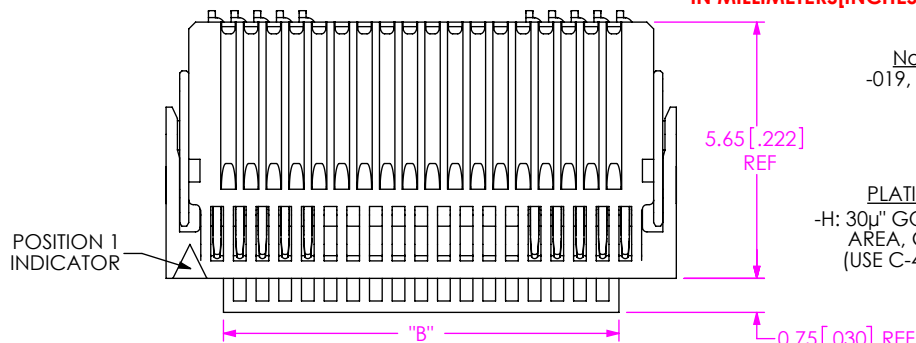


DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS (INCHES)

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



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

TAPE & REEL OPTION (SEE NOTE 7 & 8)

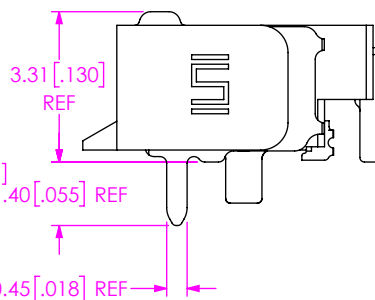
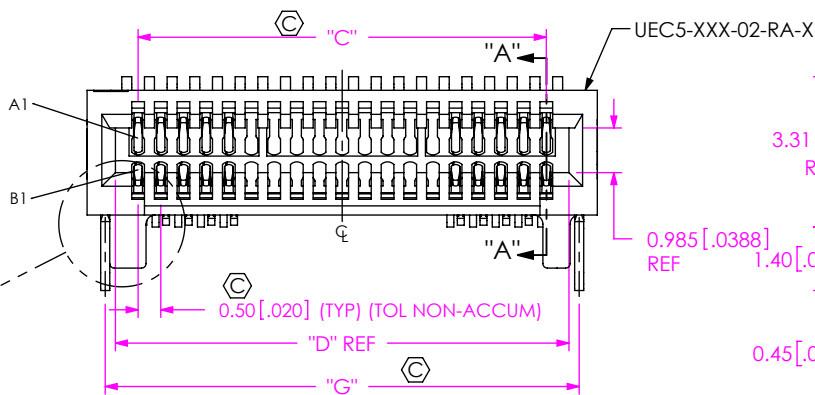
BLANK: TAPE & REEL
-FR: FULL REEL QTY TAPE & REEL

OPTION
-A: ALIGNMENT PIN

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

RIGHT ANGLE
-RA: RIGHT ANGLE

(* = NOT TOOLED)



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)

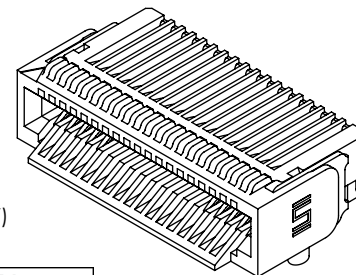


FIG 1
UEC5-019-1-X-D-RA-1-A SHOWN (SOME CENTER FEATURES REMOVED FOR CLARITY) (PP NOT SHOWN FOR CLARITY)

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:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: 1.6N[0.36 LB].
3. TAPE & REEL IS STANDARD PACKAGING
4. NOTE DELETED
5. USE INSPECTION FIXTURE, SAMTEC P/N AT-2450-800, WHEN INSPECTING SOLDER TAIL CRITICAL DIMENSIONS.
6. K-DOT PROVIDED AS STANDARD.
7. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
8. ATTACH LABEL TO EACH REEL

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.
TOLERANCES ARE:
DECIMALS ANGLES
X.X: ±0.3 [0.1]
X.XX: ±0.13 [0.05]
X.XXX: ±0.051 [0.020]

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

SHEET SCALE: 6:1



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e-Mail: info@SAMTEC.com code 53322

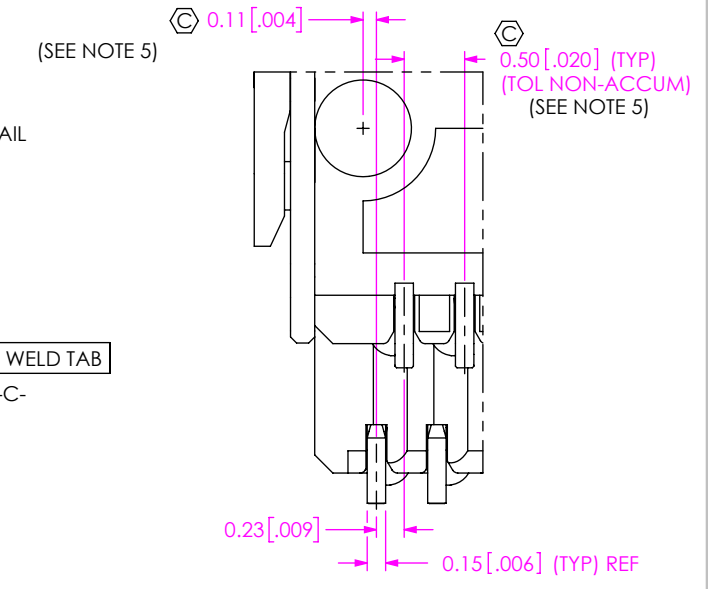
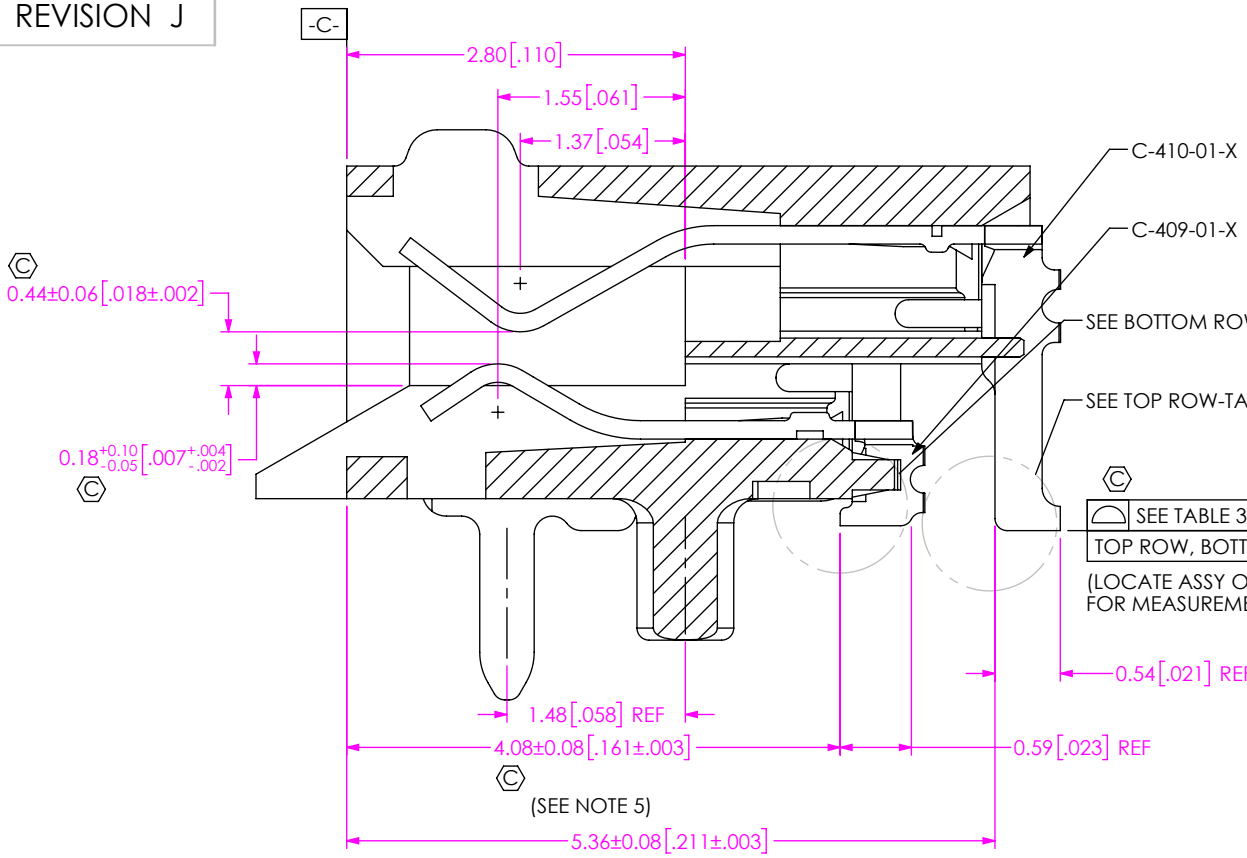
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0.5MM EDGE RATE SOCKET ASSEMBLY

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

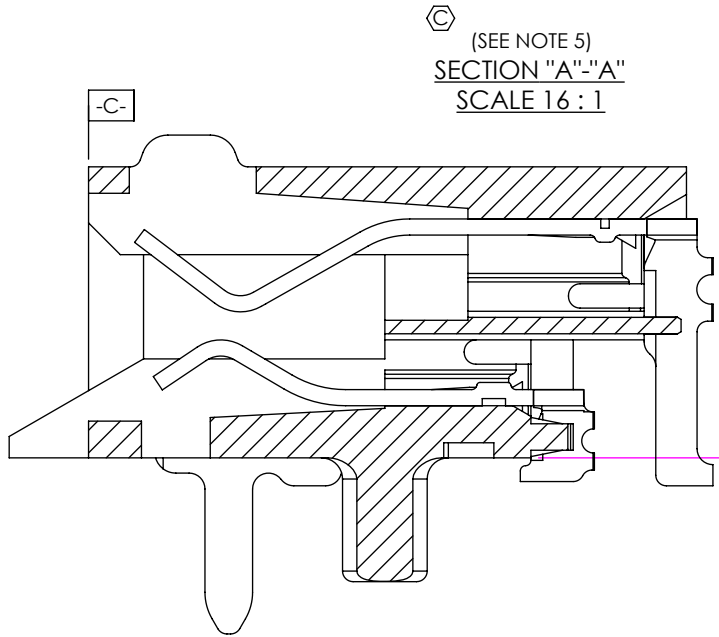
BY: KNOWLDEN 9/10/2013 SHEET 1 OF 5

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]

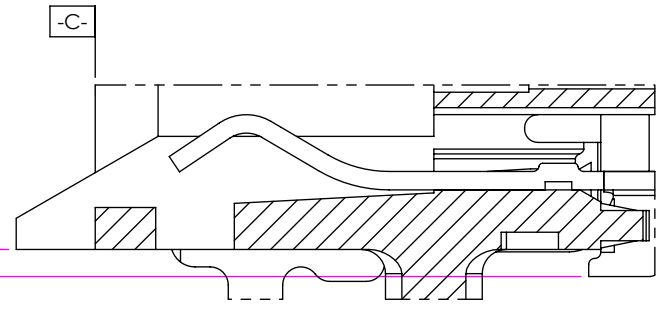
(* = NOT TOOLED)



SCALE 16:1



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



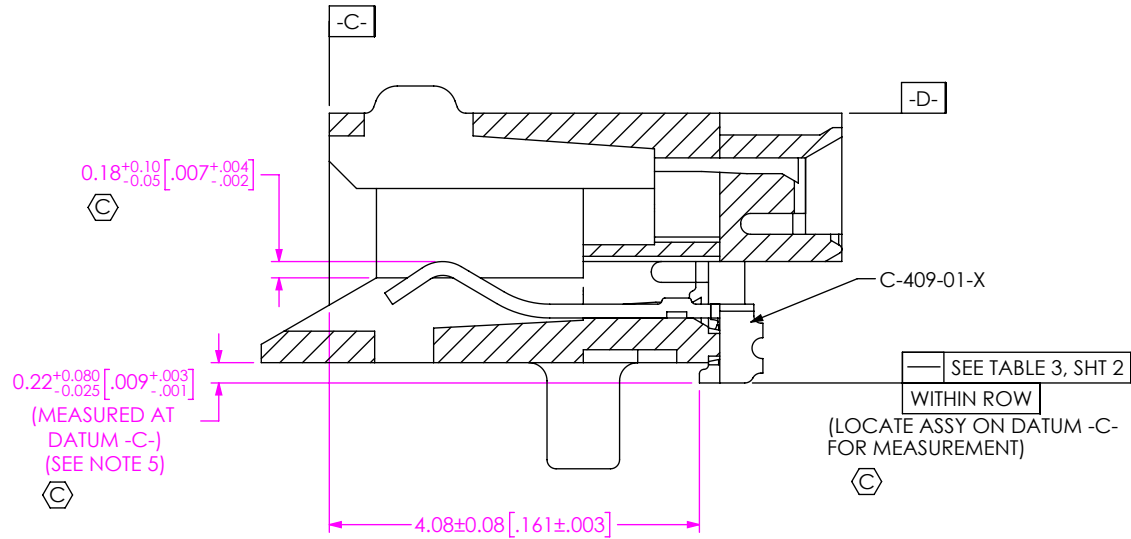
BOTTOM ROW-TAIL DETAIL
(LOCATE ASSY ON DATUM -C- FOR MEASUREMENT)

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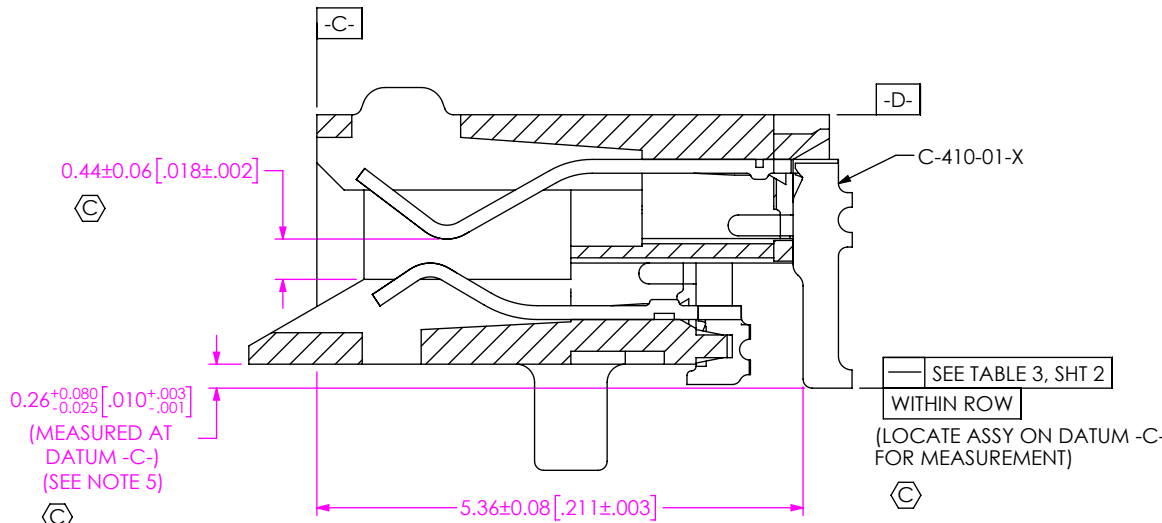
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SHEET SCALE: 16:1



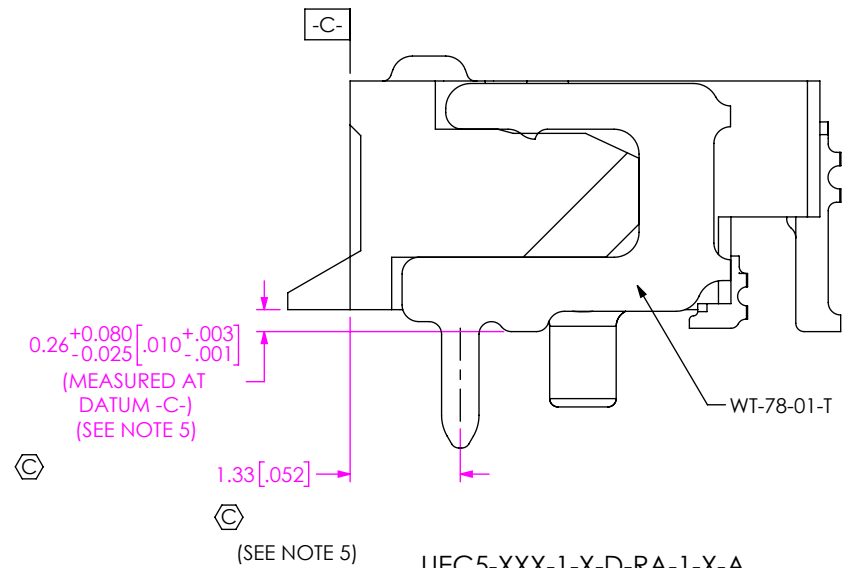
DESCRIPTION:
0.5MM EDGE RATE SOCKET ASSEMBLY
DWG. NO. UEC5-XXX-1-X-D-RA-X-A-XX
BY: KNOWLDEN 9/10/2013 SHEET 2 OF 5



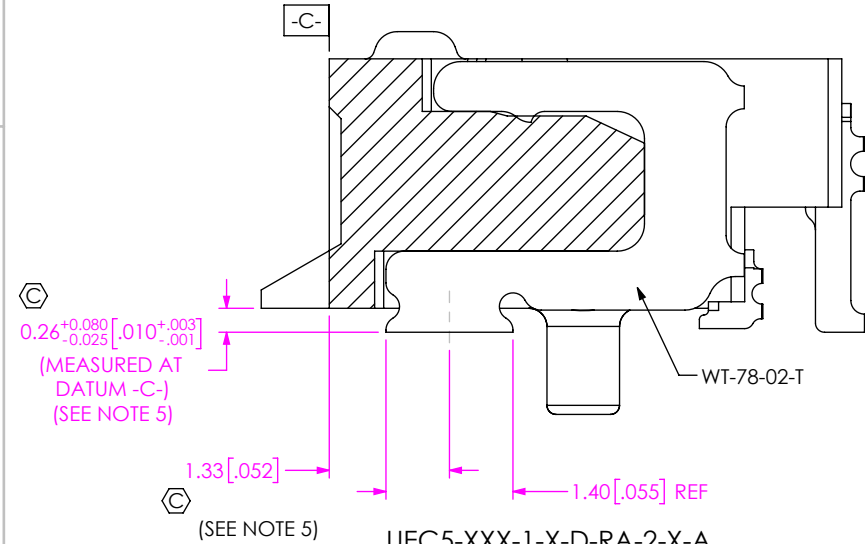
(SEE NOTE 5)
(LOCATE ASSY ON DATUM -D- FOR MEASUREMENT)
IN-PROCESS 1
FILL C-409-01-X



(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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SHEET SCALE: 12:1

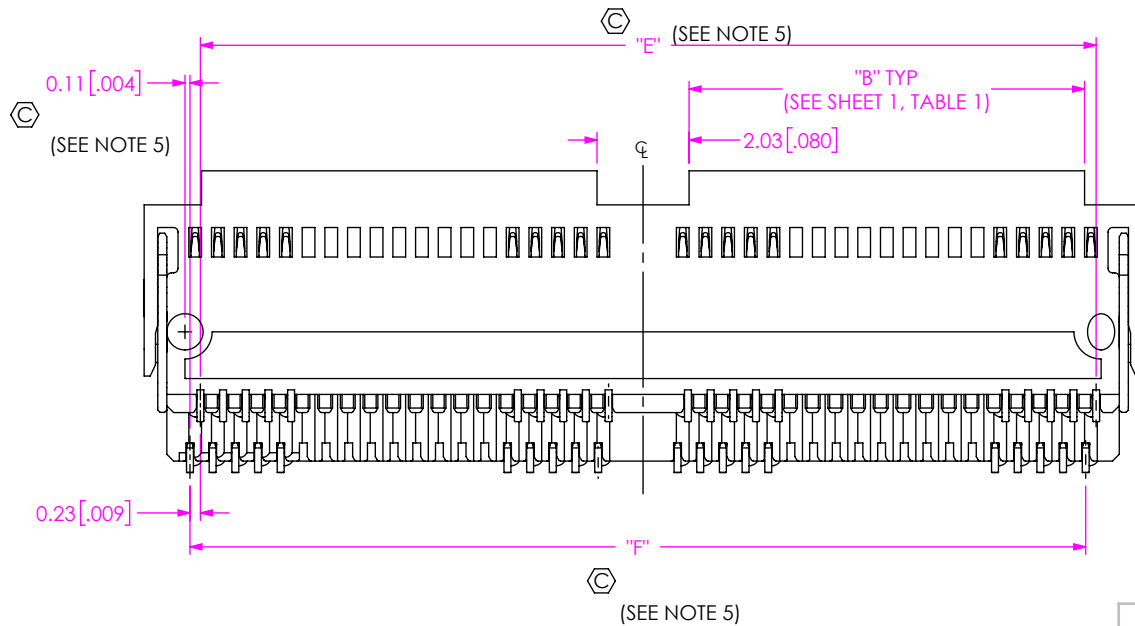
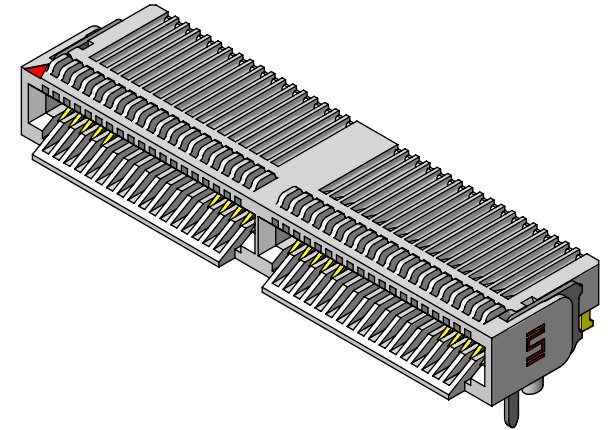
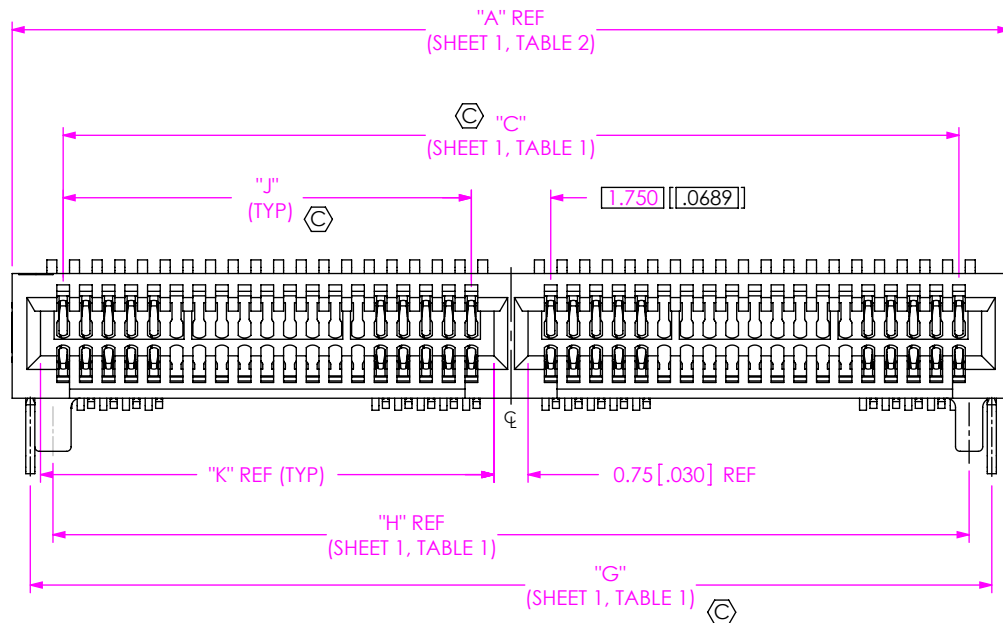


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0.5MM EDGE RATE SOCKET ASSEMBLY

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

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



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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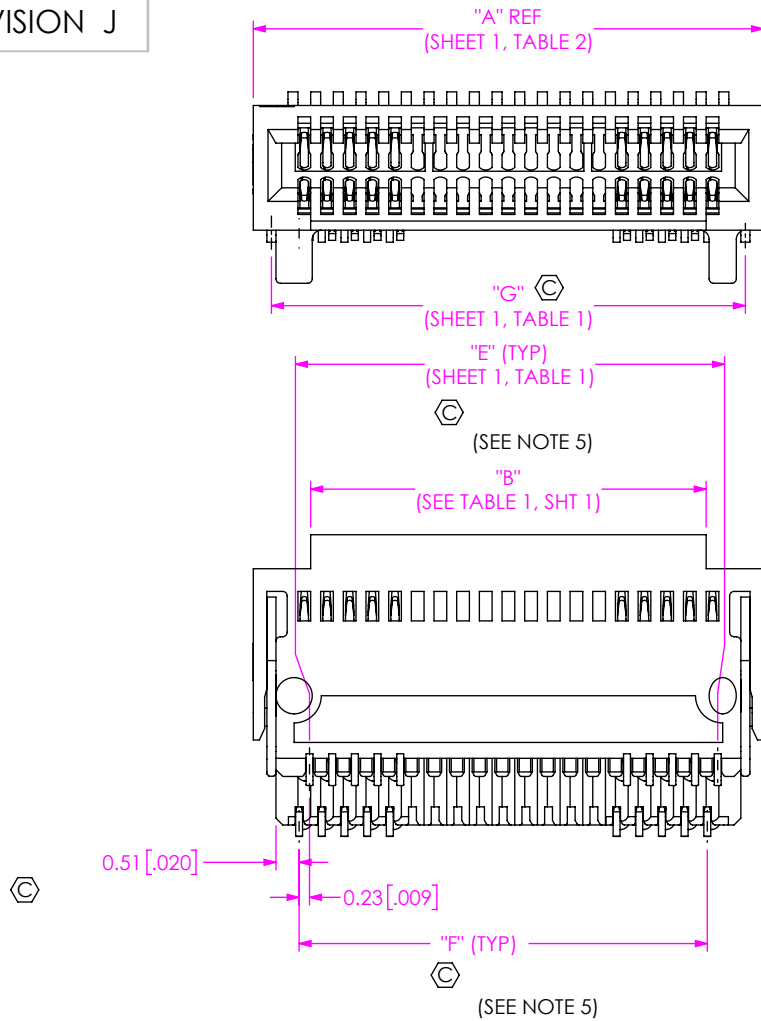


FIG 3
 UEC5-025-1-X-D-RA-2-A SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)
 (PP NOT SHOWN FOR CLARITY)
 (NOT TOOLED)

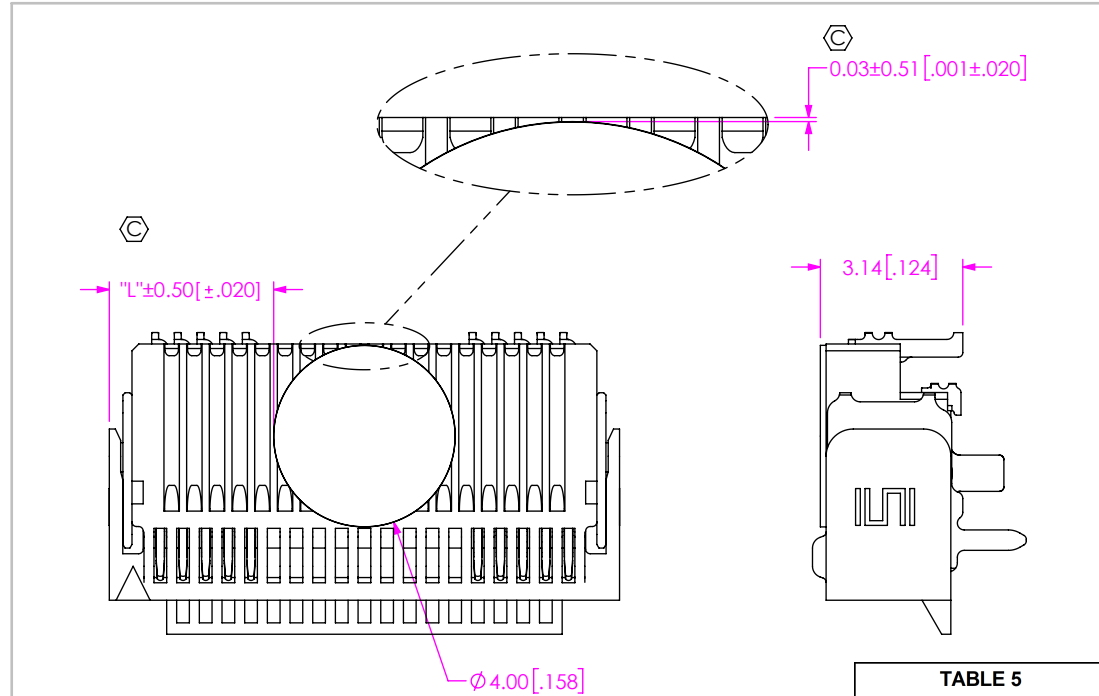
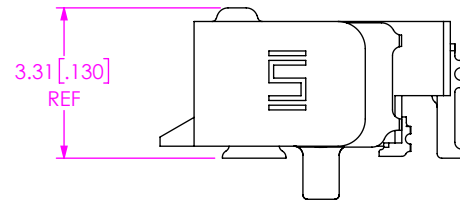


FIG 4
 POLYIMIDE PAD
 UEC5-019-1-X-D-RA-X-A SHOWN
 (USE K-DOT-.157-.250-.005)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)
 (SEE NOTE 6)

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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