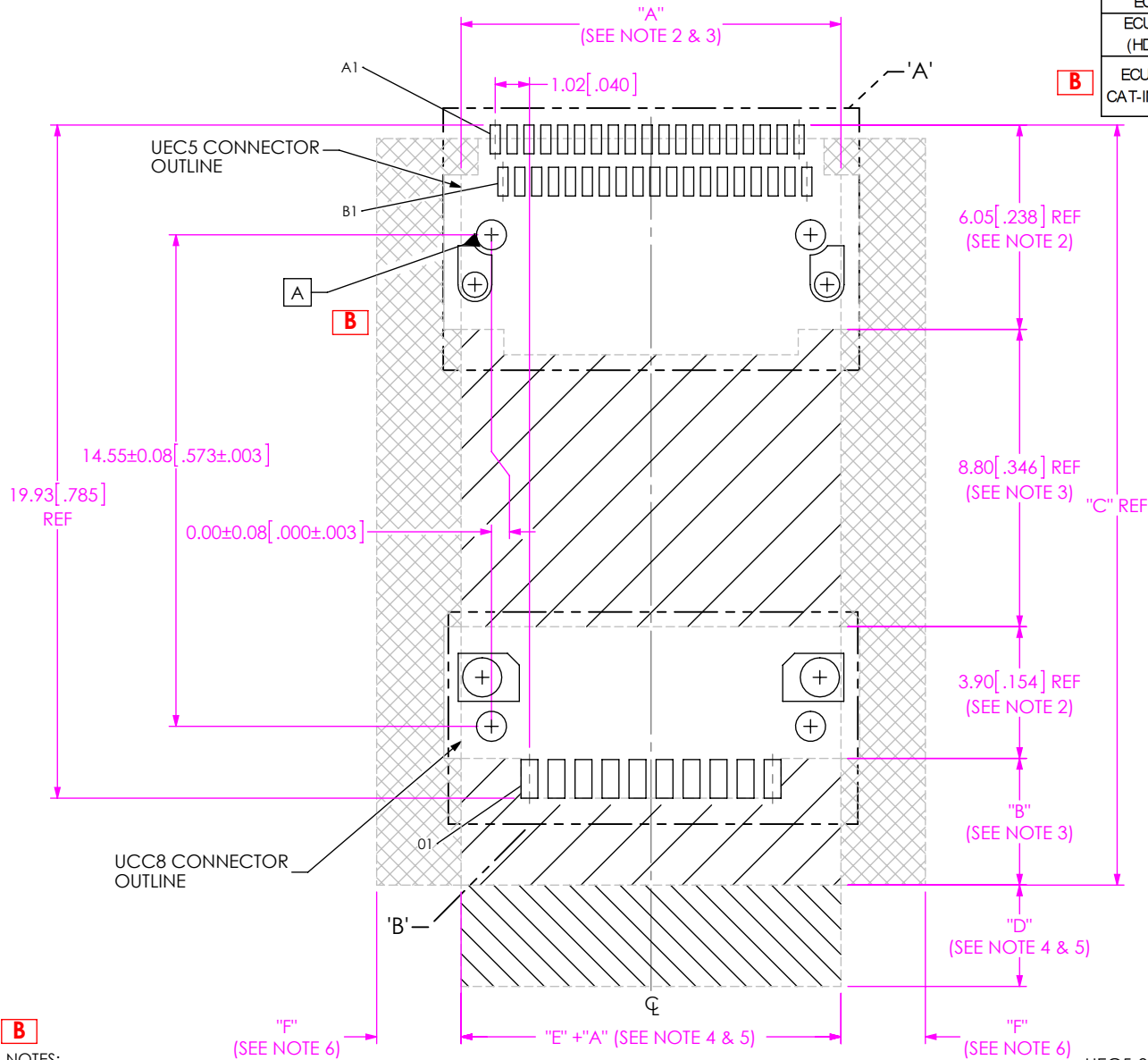


DESIGNED & DIMENSIONED
IN MILLIMETERS [INCHES]

FIREFLY MATE	"B"	"C"	"D"	"E"	"F"
ECUO (OPTICAL)	3.75 [0.148]	22.50 [0.886]	5.50 [0.217]	0.00 [0.000]	0.00 [0.000]
ECUE (COPPER)	6.60 [0.260]	25.35 [0.998]	2.65 [0.104]	0.00 [0.000]	0.00 [0.000]
ECUE TEST CABLE (HDR-179381-XX)	6.60 [0.260]	25.35 [0.998]	17.00 [0.669]	2.51 [0.099]	0.00 [0.000]
ECUO WHEN USING CAT-IN-ECUO-XX TOOL	3.75 [0.148]	22.50 [0.886]	5.50 [0.217]	11.00 [0.433]	5.50 [0.217]



No Of POS		"A"
UEC5	UCC8	
-019	-010	11.25 [0.443]
*-025	*-014	14.25 [0.561]
*-038	*-020	22.00 [0.866]
*-050	*-028	28.00 [1.102]

UCC8 LEAD STYLE	MAXIMUM PCB COMPONENT HEIGHT
-1	0.30 [0.012]
*-2	1.80 [0.071]

(* = 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)

THIS IS THE SECOND GENERATION DESIGN OF THE UCC8 (RUGGEDIZED). SEE DRAWING No ASP-180863-01 FOR THE ORIGINAL DESIGN (ONLY AVAILABLE TO EXISTING CUSTOMERS)

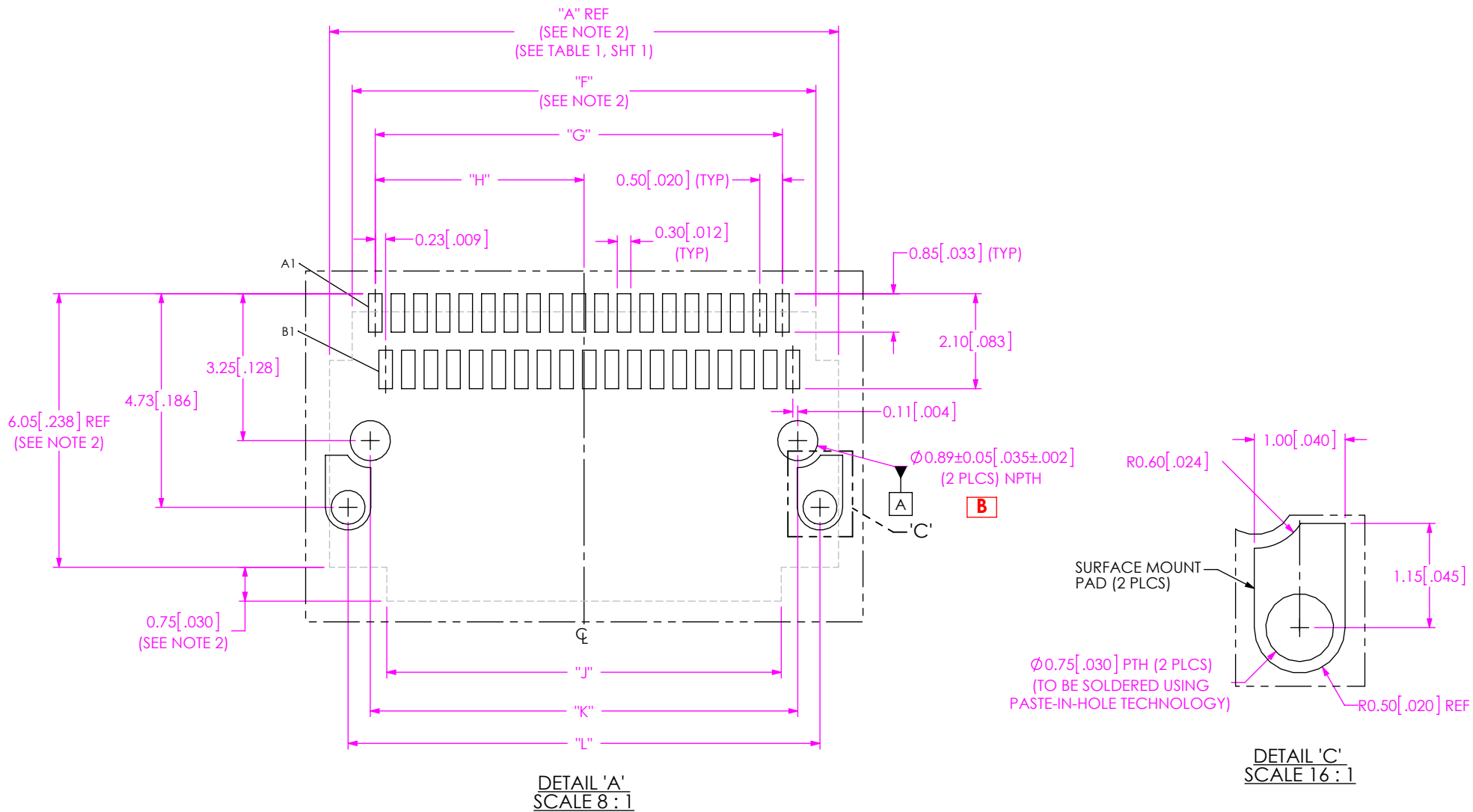
- NOTES:**
1. ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE, EXCEPT AS SHOWN.
 2. CONNECTOR ENVELOPE DIMENSIONS, OTHER COMPONENTS PLACED ON PCB SHALL AVOID THIS ZONE.
 3. ABSOLUTE MINIMUM CONNECTOR SYSTEM ENVELOPE AREA, FOR MAXIMUM COMPONENT HEIGHT PLACED ON PCB IN THIS ZONE, SEE TABLE 5.
 4. RECOMMENDED KEEPOUT REGION FOR ROW-TO-ROW LAYOUT OF ECUO AND ECUE. THIS KEEPOUT REGION IS APPLICATION DEPENDENT. FIBER TYPE, HEATSINK STYLE, AND OTHER BOARD COMPONENTS AND HARDWARE SHOULD BE FACTORED IN TO DETERMINE THE APPROPRIATE SPACING FOR ROW-TO-ROW LAYOUT OF ECUO AND ECUE.
 5. CONSULT SAMTEC ENGINEERING FOR MORE INFORMATION AND REFERENCE PART #: APP-ECUX-STACKING.
 6. AREA SIZE AND MAXIMUM COMPONENT HEIGHT IN THIS REGION LIMITED TO ALLOW FOR FLYOVER CABLE OR FIBER CLEARANCE.
 7. THIS AREA MUST BE VOID OF ANY COMPONENTS OR OBSTRUCTIONS TO ALLOW CAT-IN-ECUO-XX TOOL TO WORK PROPERLY WITHOUT DAMAGE TO CUSTOMER BOARD. USE OF THIS TOOL ALSO INCREASES MULTIPLE FIREFLY SIDE-BY-SIDE SPACING; SEE APPLICATION SPEC IN FIREFLY MANUAL.

FIG 1
UEC5-010-1-X-D-RA-1-A SHOWN
UCC8-010-X-X-S-1-A SHOWN

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DETAIL 'A'
SCALE 8 : 1

DETAIL 'C'
SCALE 16 : 1

TABLE 3

No OF POS UEC5	"F"	"G"	"H"	"J"	"K"	"L"	"Q"	"R"	"T"
-019	10.25 [0.404]	9.00 [0.354]	4.615 [0.1817]	8.72 [0.343]	9.45 [0.372]	10.45 [0.411]	10.45 [0.411]	N/A	11.45 [0.451]
*-025	13.25 [0.522]	12.00 [0.472]	6.115 [0.2407]	11.72 [0.461]	12.45 [0.490]	13.45 [0.530]	13.45 [0.530]	N/A	14.45 [0.569]
*-038	21.00 [0.827]	19.75 [0.778]	9.990 [0.3933]	19.47 [0.767]	20.20 [0.795]	21.20 [0.835]	21.20 [0.835]	9.00 [0.354]	22.20 [0.874]
*-050	27.00 [1.063]	25.75 [1.014]	12.990 [0.5114]	25.47 [1.003]	26.20 [1.031]	27.20 [1.071]	27.20 [1.071]	12.00 [0.472]	28.20 [1.110]

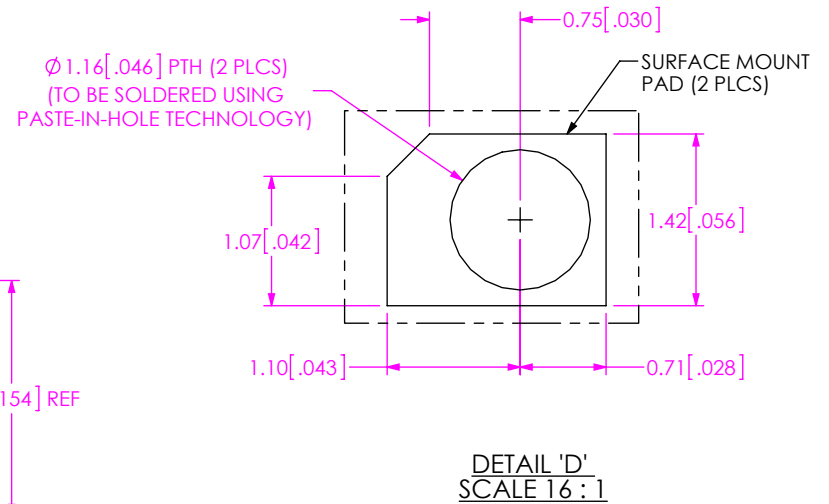
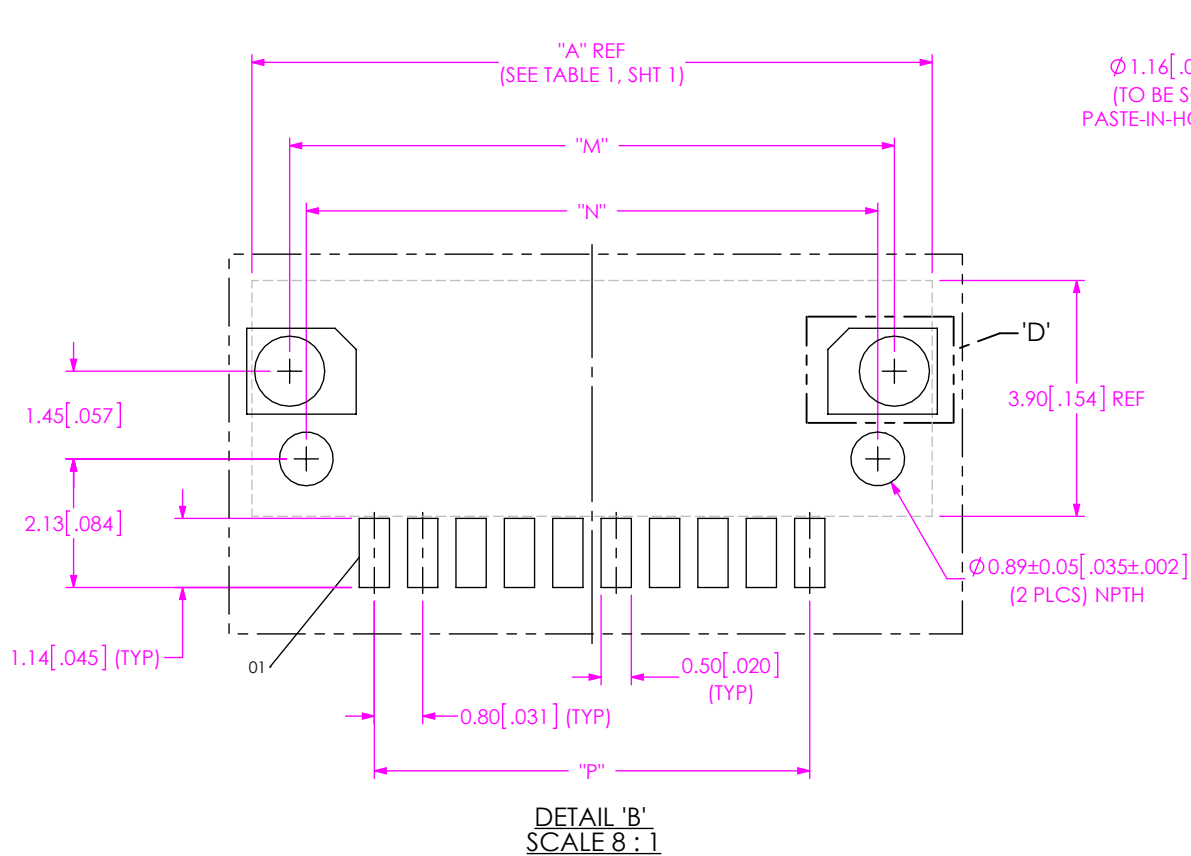
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DETAIL 'B'
SCALE 8 : 1

DETAIL 'D'
SCALE 16 : 1

TABLE 4

No OF POS UCC8	"M"	"N"	"P"	"S"	"U"	"V"
-010	10.00 [0.394]	9.45 [0.372]	7.20 [0.283]	N/A	11.61 [0.457]	11.45 [0.451]
*-014	13.00 [0.512]	12.45 [0.490]	10.20 [0.402]	N/A	14.61 [0.575]	14.45 [0.569]
*-020	20.75 [0.817]	20.20 [0.795]	17.95 [0.707]	7.20 [0.283]	22.36 [0.880]	22.20 [0.874]
*-028	26.75 [1.053]	26.20 [1.031]	23.95 [0.943]	10.20 [0.402]	28.36 [1.117]	28.20 [1.110]

(* = NOT TOOLED)

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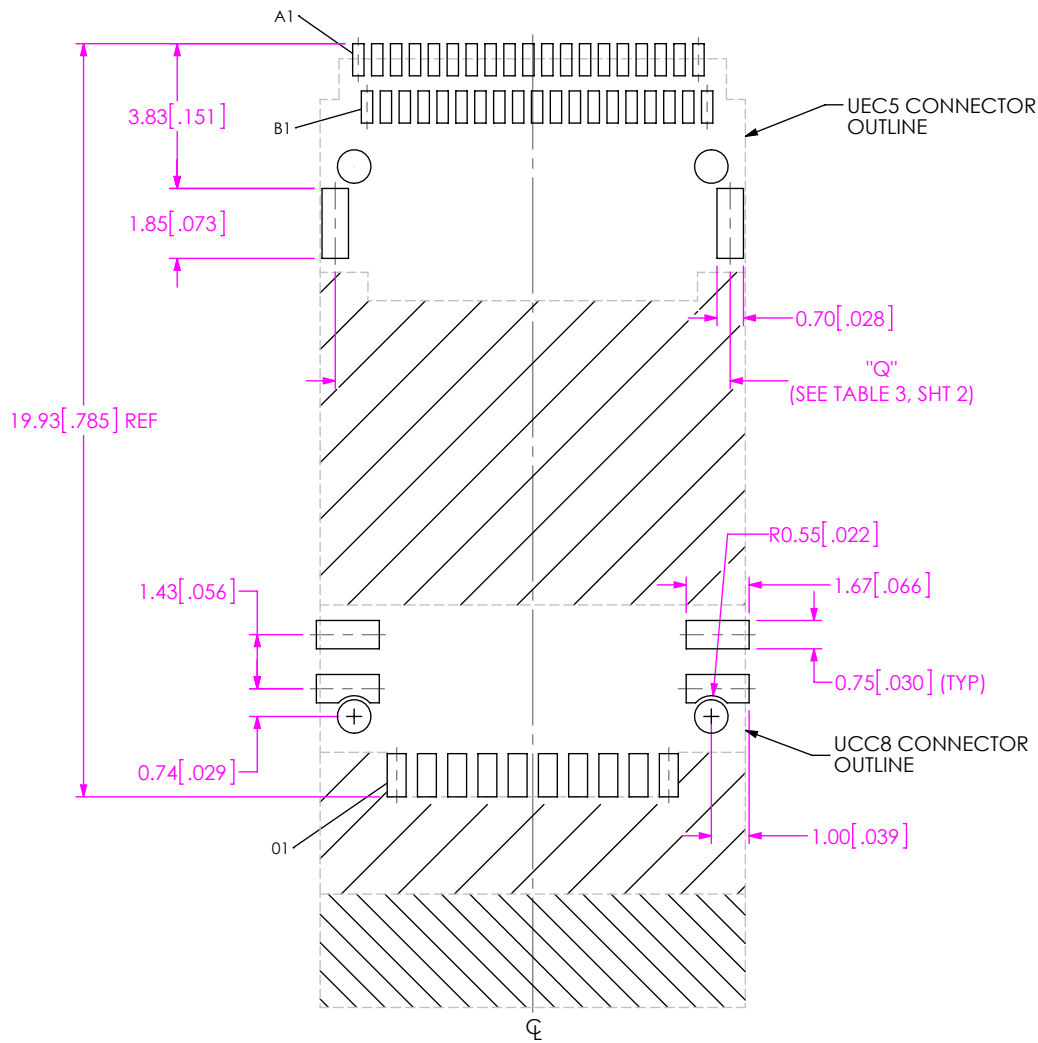


FIG 2
 UEC5-019-1-X-RA-2-A SHOWN
 UCC8-010-X-X-S-2-A SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

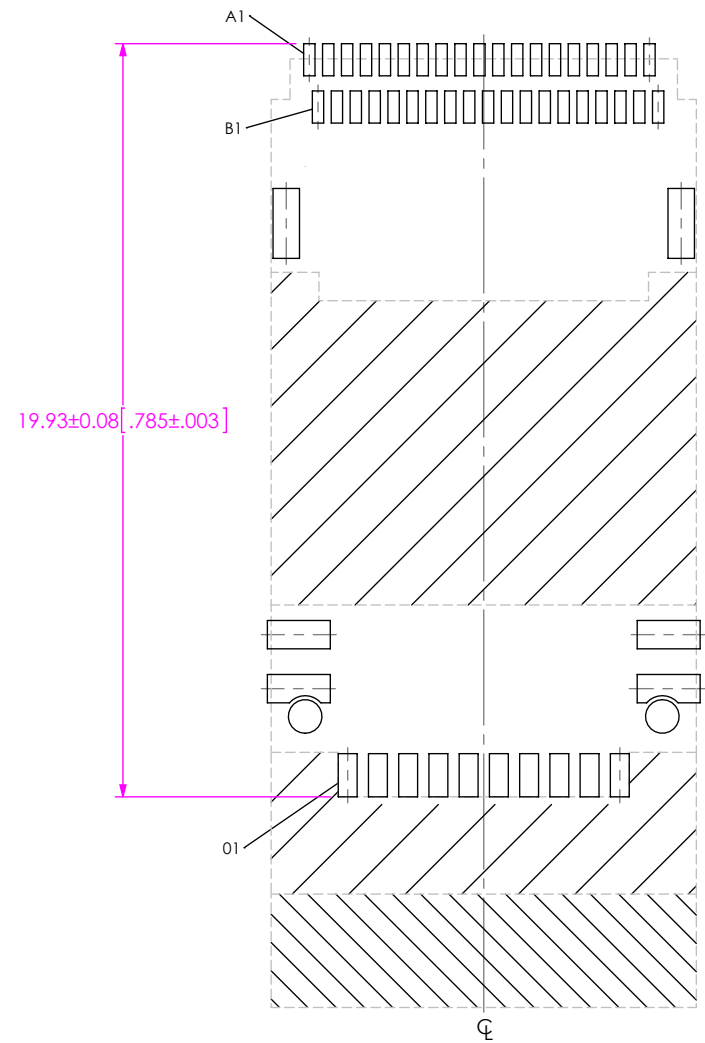


FIG 3
 UEC5-019-1-X-RA-2 SHOWN
 UCC8-010-X-X-S-2-A SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)
 (NOT TOOLED)

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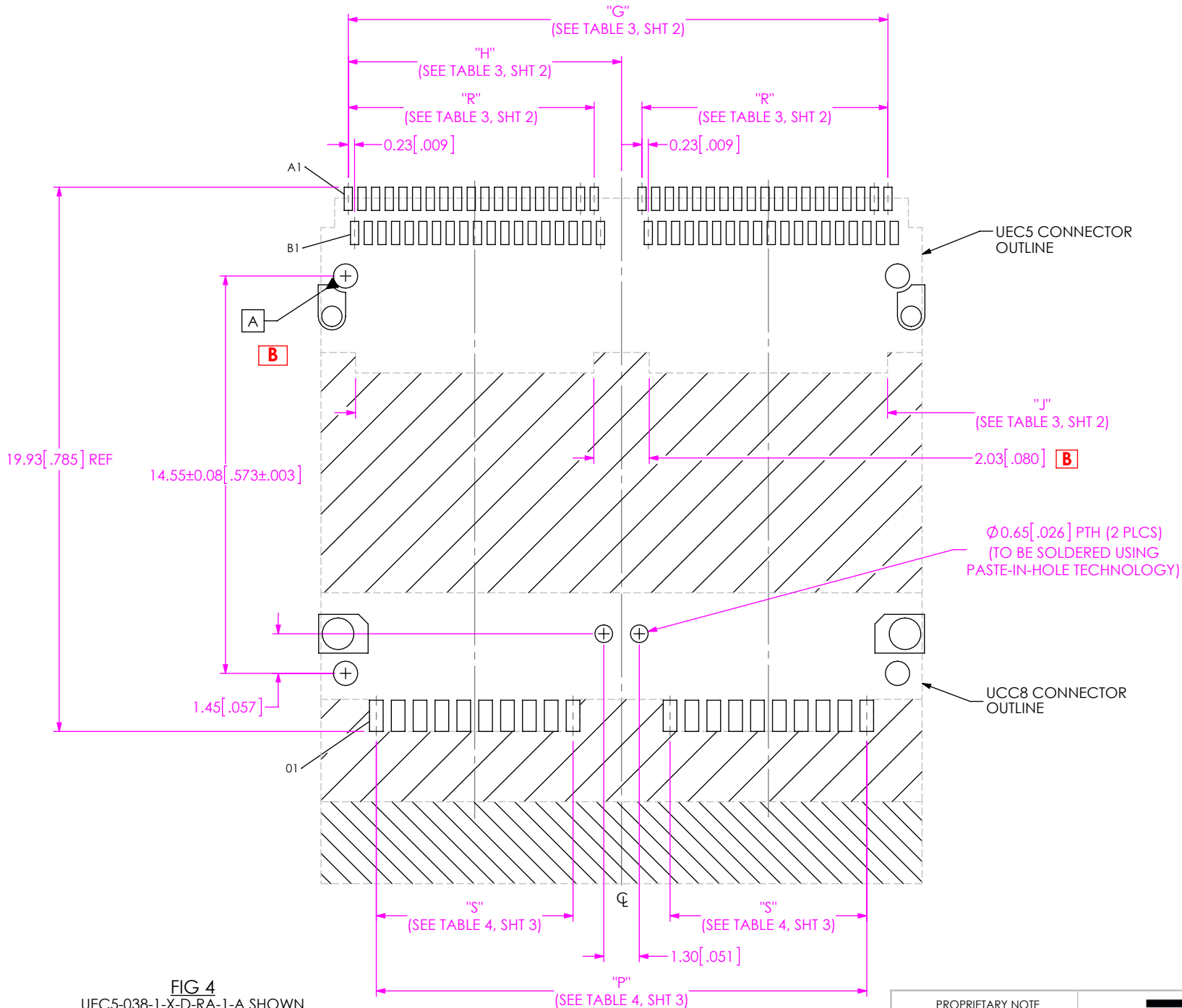


FIG 4
 UEC5-038-1-X-D-RA-1-A SHOWN
 UCC8-020-X-X-S-1-A SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (NOT TOOLED)

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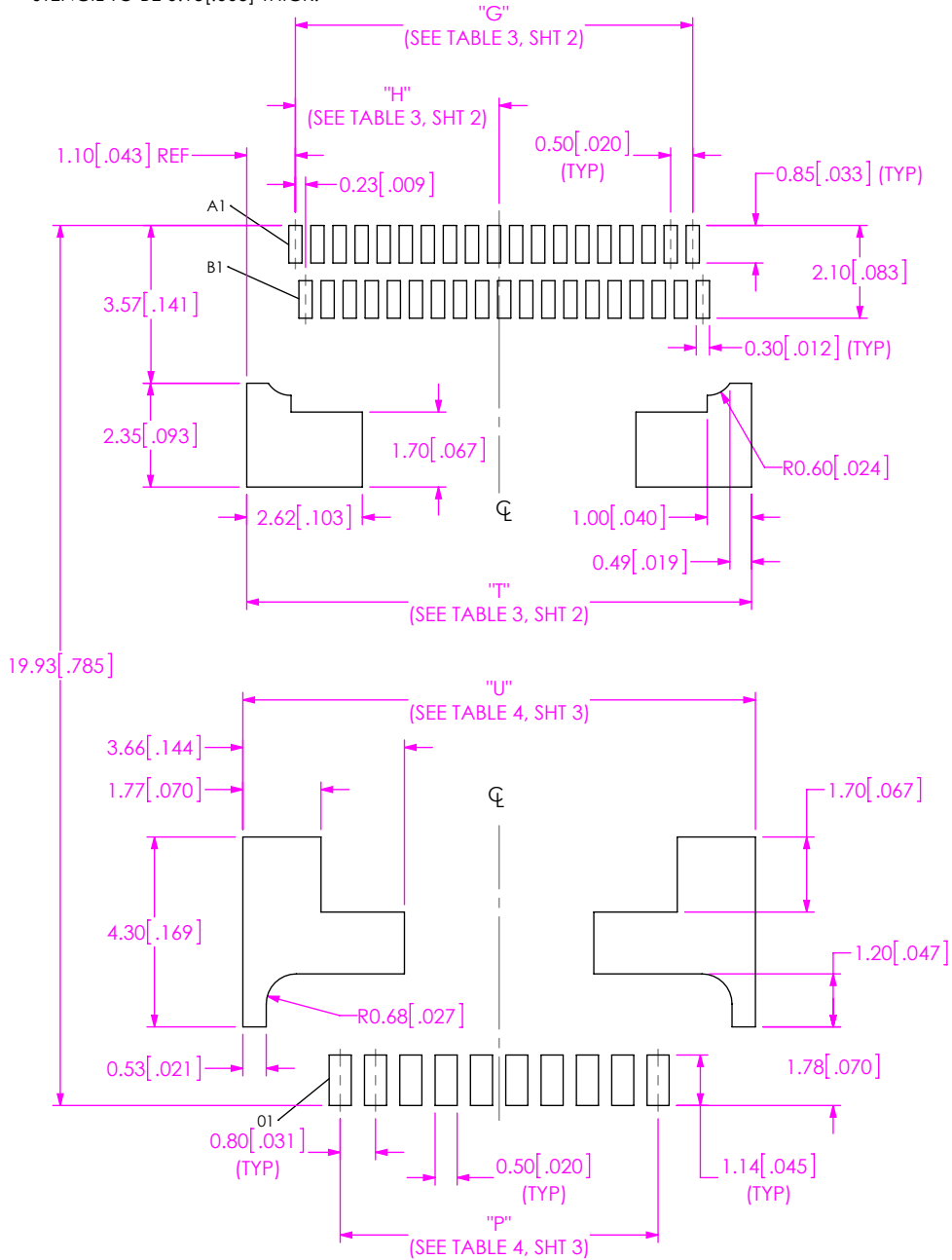


FIG 5
UEC5-019-1-X-D-RA-1-X STENCIL SHOWN
UCC8-010-X-X-S-1-A STENCIL SHOWN

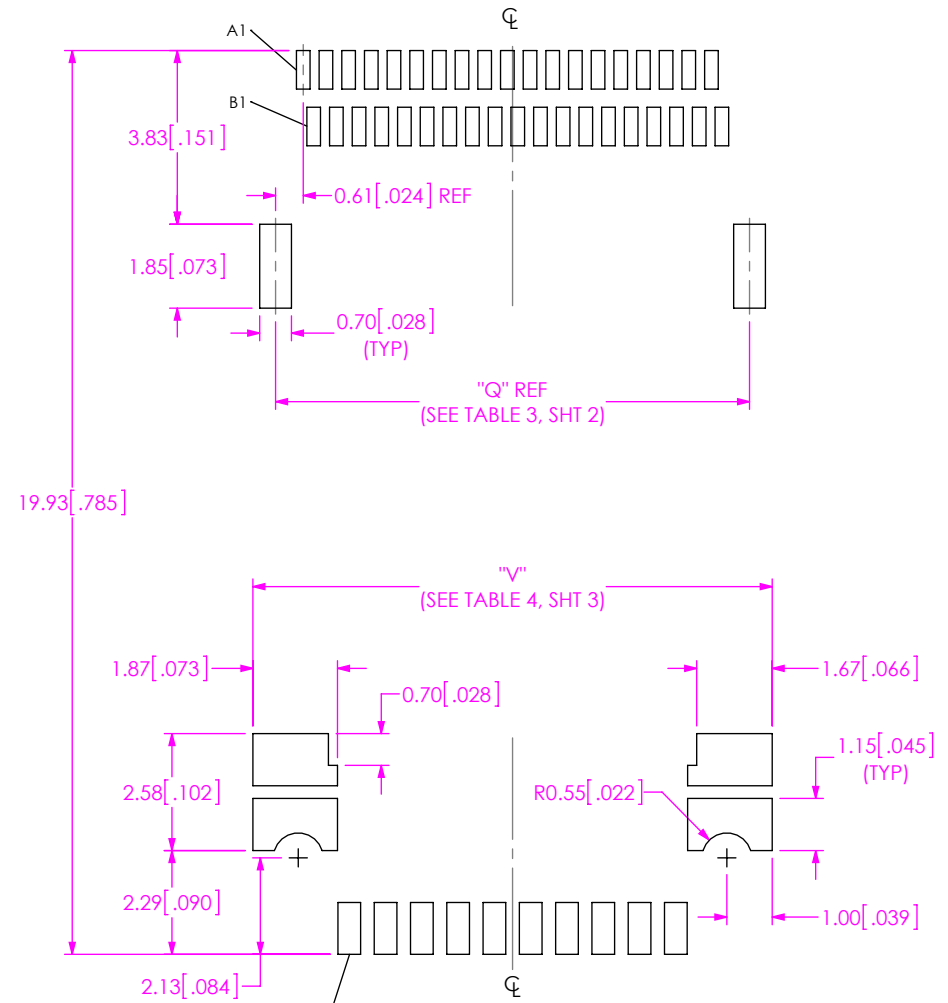


FIG 6
UEC5-019-1-X-D-RA-2-X STENCIL SHOWN
UCC8-010-X-X-S-2-A STENCIL SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 5)

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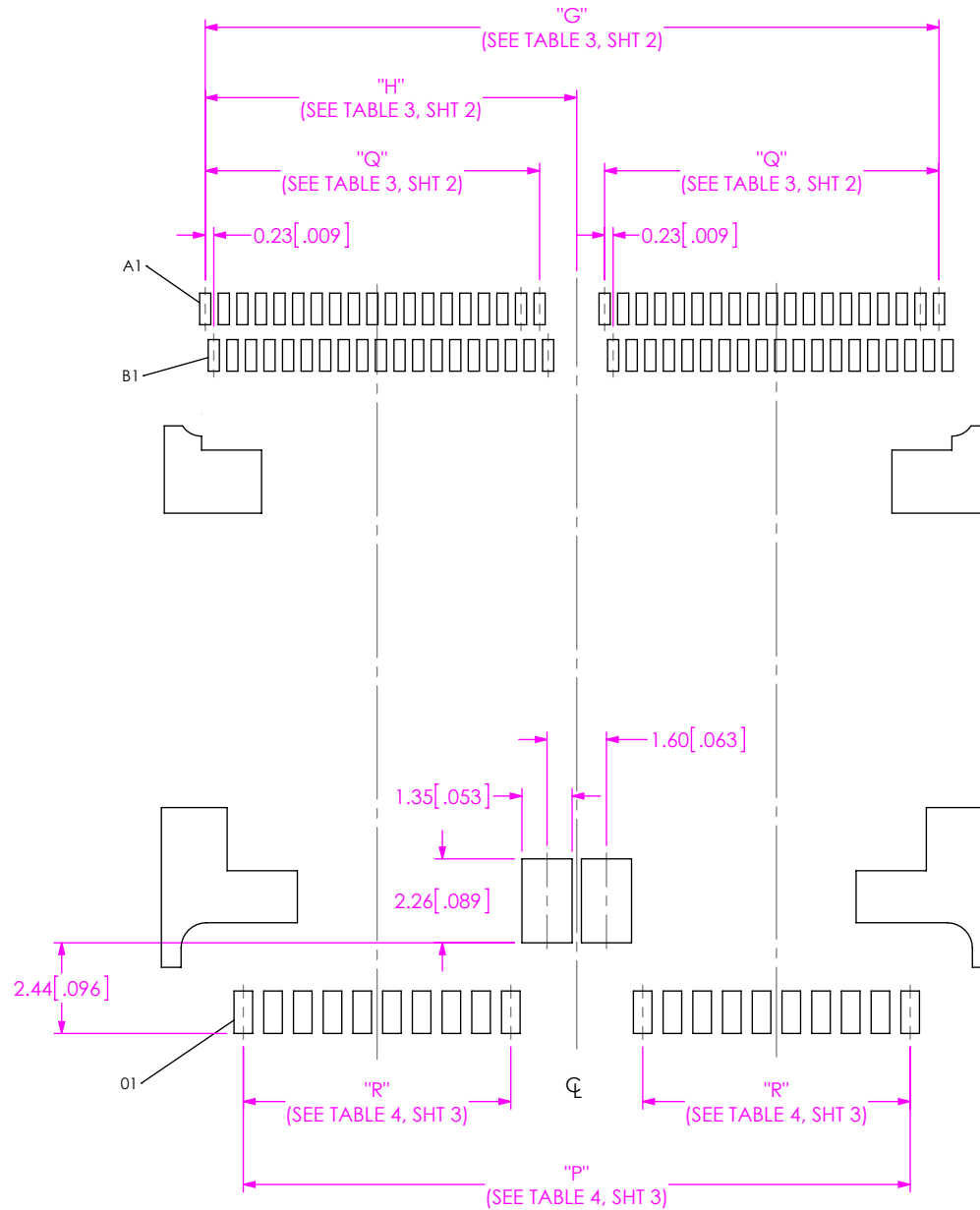


FIG 7
UEC5-038-1-X-D-RA-1-X STENCIL SHOWN
UCC8-020-X-X-S-1-A STENCIL SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 5)
(NOT TOOLED)

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