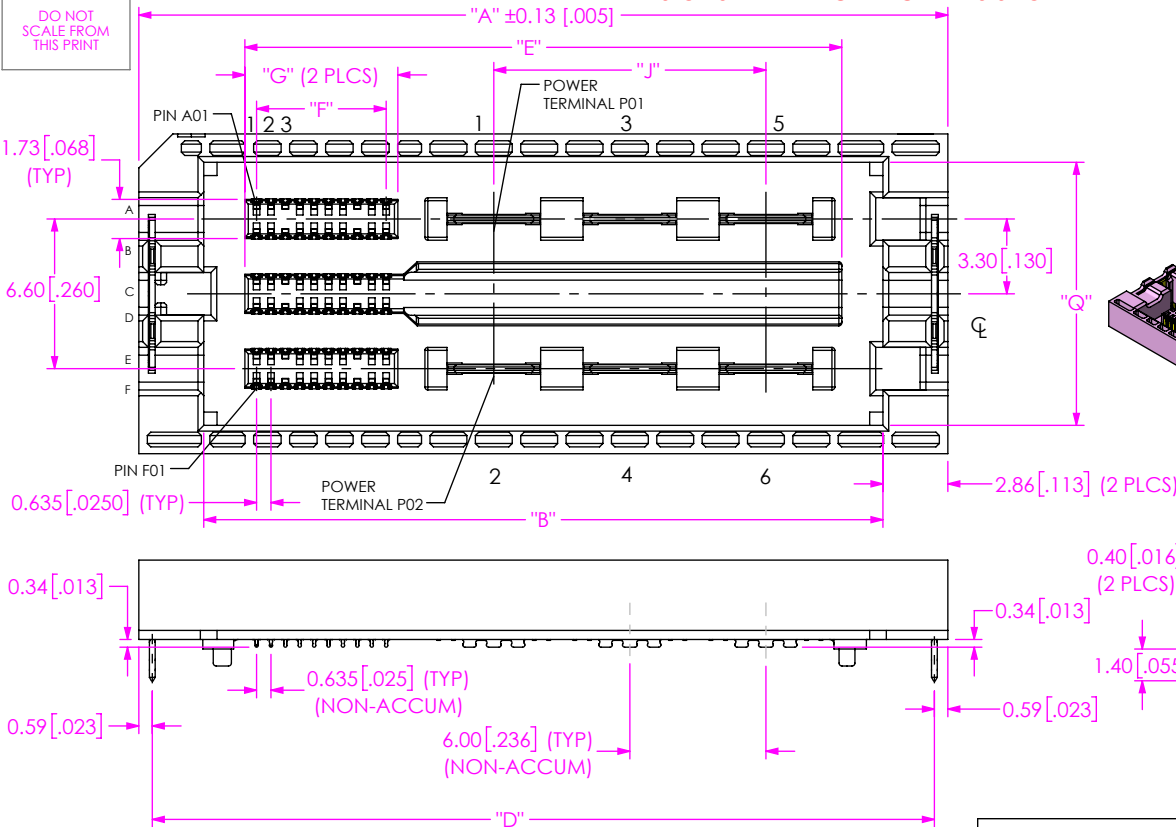


REVISION F

DESIGNED AND DIMENSIONED IN MILLIMETERS[INCHES]
ALL DIMENSIONS REFERENCE EXCEPT AS SHOWN

UDM6-XX-X-XX.X-XXX-X-XX-XR



No OF SIGNAL POSITIONS

-10, -20, 30, -40 (PER ROW)

No OF POWER POSITIONS

-2, -3, -4, -5 (PER ROW)

LEAD STYLE

-01.5: 1.5MM
*-03.5: 3.5MM
-06.5: 6.5MM
*-08.5: 8.5MM

PACKAGING (SEE NOTES 1, 3 & 4)

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

WELD TAB OPTION

*SM: SURFACE MOUNT
-TH: THRU HOLE

OPTION

*BLANK: NO ALIGNMENT PIN
-A: ALIGNMENT PIN
(SEE SHEET 3, FIG 3)

PLATING SPECIFICATION

-L: 10μ" SELECTIVE GOLD
IN CONTACT AREA,
MATTE TIN ON TAIL
-S: 30μ" SELECTIVE GOLD
IN CONTACT AREA,
MATTE TIN ON TAIL
MATTE TIN ON WELD TAB
**-STL: 30μ" SELECTIVE GOLD
IN CONTACT AREA,
TIN/LEAD ON SOLDER TAIL
TIN/LEAD ON WELD TAB

(* = NOT TOOLED)
(** = NOT RELEASED)

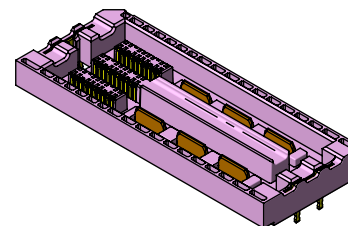


FIG 1
UDM6-10-3-01.5-XXX-A-TH-XR SHOWN
(SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 2

No OF SIGNAL POS PER ROW	"F"	"G"
-10	5.715 [0.2250]	6.745 [0.2656]
-20	12.065 [0.4750]	13.095 [0.5156]
-30	18.415 [0.7250]	19.445 [0.7656]
-40	24.765 [0.9750]	25.795 [1.0156]

TABLE 3

No OF POWER POS PER ROW	"J"	"K"
-2	6.00 [0.236]	12.075 [0.4754]
-3	12.00 [0.472]	18.075 [0.7116]
-4	18.00 [0.709]	24.075 [0.9478]
-5	24.00 [0.945]	30.595 [1.2045]

TABLE 4

LEADSTYLE	"L"	"H"
-01.5	3.50 [0.138]	3.92 [0.154]
-03.5	5.50 [0.217]	5.92 [0.233]
-06.5	8.50 [0.335]	8.92 [0.351]
-08.5	10.50 [0.413]	10.92 [0.430]

TABLE 1

No OF SIGNAL POS PER ROW	No OF POWER POS PER ROW	"A"	"B"	"C"	"D"	"E"	"Q"	"R"	NOTE
-10	-2	29.675 [1.1683]	24.040 [0.9465]	21.55 [0.848]	28.488 [1.1216]	20.32 [0.800]	10.85 [0.427]	12.35 [0.486]	SEE SHT 3, FIG 5
-20	-2	36.025 [1.4183]	30.300 [1.1929]	27.90 [1.098]	34.838 [1.3716]	26.67 [1.050]	11.60 [0.457]	14.10 [0.555]	SEE FIG 1
-30	-2	42.375 [1.6683]	36.650 [1.4429]	34.25 [1.348]	41.188 [1.6216]	33.02 [1.300]	11.60 [0.457]	14.10 [0.555]	SEE FIG 1
-40	-2	48.725 [1.9183]	43.090 [1.6965]	40.60 [1.598]	47.538 [1.8716]	39.37 [1.550]	10.85 [0.427]	12.35 [0.486]	SEE SHT 3, FIG 5
-10	-3	35.675 [1.4045]	29.950 [1.1791]	27.55 [1.085]	34.488 [1.3578]	26.32 [1.036]	11.60 [0.457]	14.10 [0.555]	SEE FIG 1
-20	-3	42.025 [1.6545]	36.300 [1.4291]	33.90 [1.335]	40.838 [1.6078]	32.67 [1.286]	11.60 [0.457]	14.10 [0.555]	SEE FIG 1
-30	-3	48.375 [1.9045]	42.650 [1.6791]	40.25 [1.585]	47.188 [1.8578]	39.02 [1.536]	11.60 [0.457]	14.10 [0.555]	SEE FIG 1
-40	-3	54.725 [2.1545]	49.000 [1.9291]	46.60 [1.835]	53.538 [2.1078]	45.37 [1.786]	11.60 [0.457]	14.10 [0.555]	SEE FIG 1
-10	-4	41.675 [1.6407]	36.040 [1.4189]	33.55 [1.321]	40.488 [1.5940]	32.32 [1.272]	10.85 [0.427]	12.35 [0.486]	SEE SHT 3, FIG 5
-20	-4	48.025 [1.8907]	42.300 [1.6654]	39.90 [1.571]	46.838 [1.8440]	38.67 [1.522]	11.60 [0.457]	14.10 [0.555]	SEE FIG 1
-30	-4	54.375 [2.1407]	48.650 [1.9154]	46.25 [1.821]	53.188 [2.0940]	45.02 [1.772]	11.60 [0.457]	14.10 [0.555]	SEE FIG 1
-40	-4	60.725 [2.3907]	55.090 [2.1689]	52.60 [2.071]	59.538 [2.3440]	51.37 [2.022]	10.85 [0.427]	12.35 [0.486]	SEE SHT 3, FIG 5
-10	-5	47.675 [1.8770]	41.950 [1.6516]	39.55 [1.557]	46.488 [1.8302]	38.32 [1.509]	11.60 [0.457]	14.10 [0.555]	SEE FIG 1
-20	-5	54.025 [2.1270]	48.300 [1.9016]	45.90 [1.807]	52.838 [2.0802]	44.67 [1.759]	11.60 [0.457]	14.10 [0.555]	SEE FIG 1
-30	-5	60.375 [2.3770]	54.650 [2.1516]	52.25 [2.067]	59.188 [2.3302]	51.02 [2.009]	11.60 [0.457]	14.10 [0.555]	SEE FIG 1
-40	-5	66.725 [2.6270]	61.000 [2.4016]	58.60 [2.307]	65.538 [2.5802]	57.37 [2.259]	11.60 [0.457]	14.10 [0.555]	SEE FIG 1

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e-Mail: info@SAMTEC.com code 55322

DO NOT SCALE DRAWING SHEET SCALE: 4:1

MATERIAL:
INSULATOR: LCP, COLOR: BLACK
TERMINAL: COPPER ALLOY
WELD TAB: COPPER ALLOY

DESCRIPTION:

UDM6 ASSEMBLY

DWG. NO.

UDM6-XX-X-XX.X-XXX-X-XX-XR

BY: TOBIN Q

2/20/2023

SHEET 1 OF 4

NOTES:

1. TAPE & REEL IS STANDARD PACKAGING.
2. K-DOT PROVIDED AS STANDARD.
3. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
4. ATTACH LABEL -4X2 TO EACH REEL.
5. NOTE DELETED.

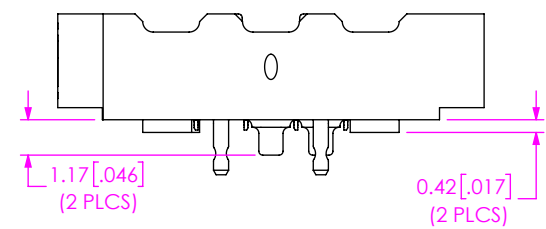


FIG 2
-A: ALIGNMENT PIN
UDM6-10-3-01.5-XXX-A-TH-XR SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

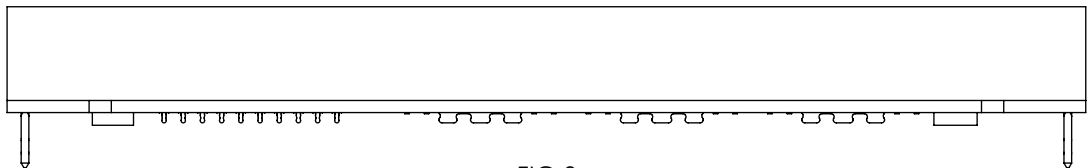
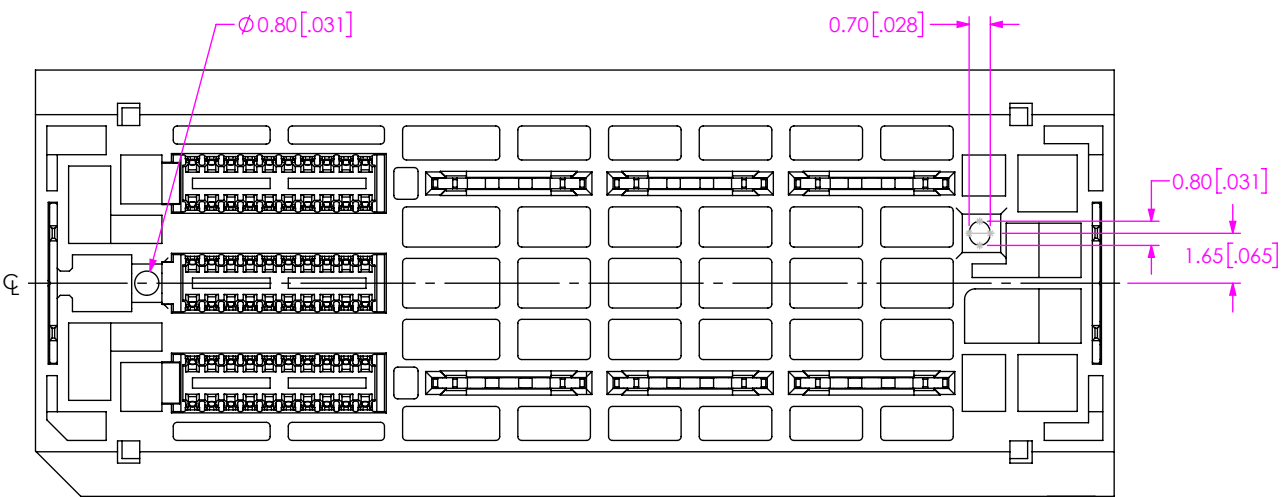
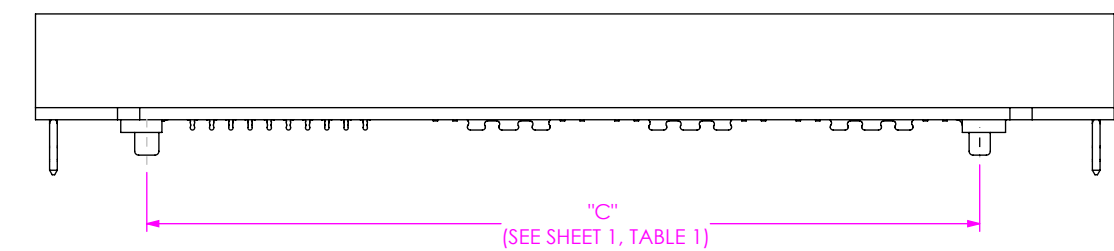


FIG 3
BLANK: NO ALIGNMENT PIN
UDM6-10-3-01.5-XXX-TH-XR SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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DO NOT SCALE DRAWING		DESCRIPTION: UDM6 ASSEMBLY	
SHEET SCALE: 5:1		DWG. NO. UDM6-XX-X-XX.X-XXX-X-XX-XR	
BY: TOBIN Q		2/20/2023	SHEET 2 OF 4

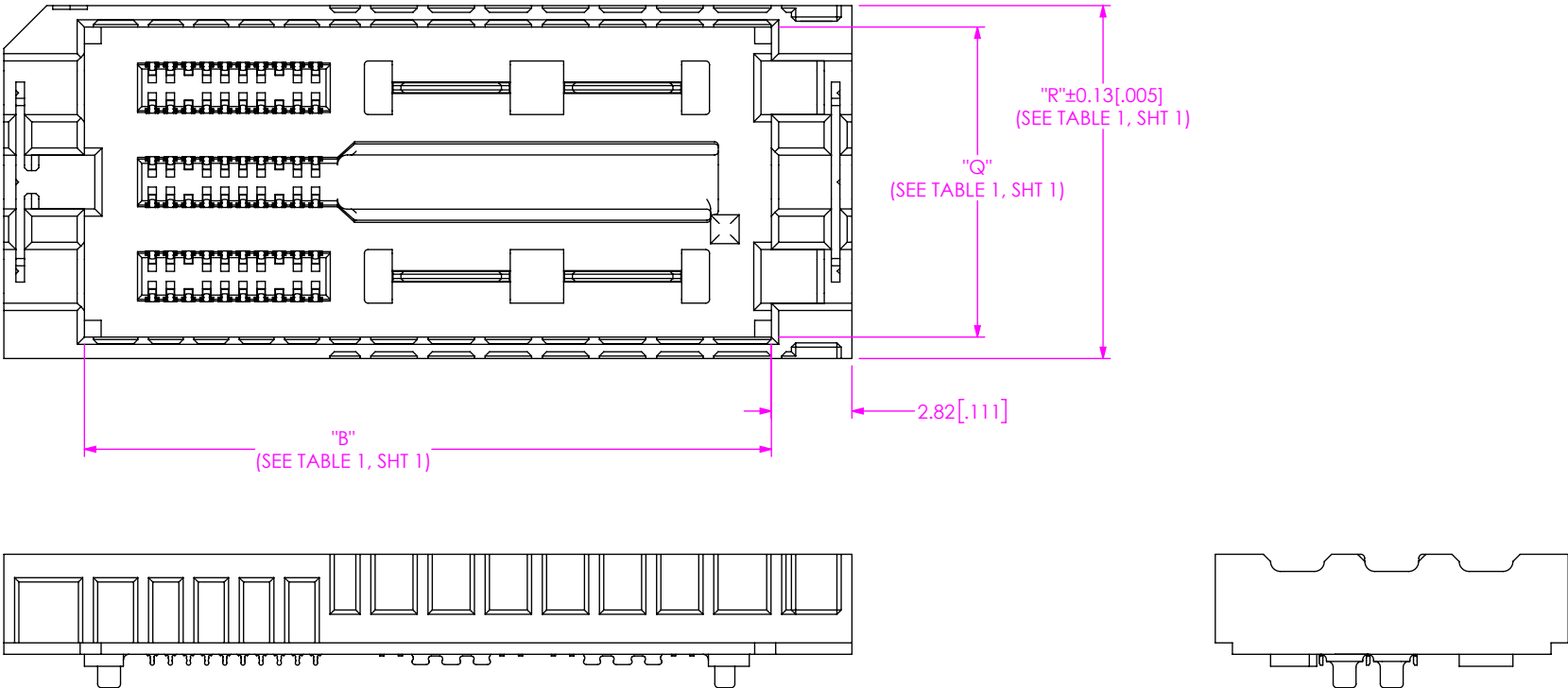


FIG 5
UDM6-10-2-01.5-XXX-A-TH-XR SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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	DESCRIPTION: UDM6 ASSEMBLY		
	DWG. NO. UDM6-XX-X-XX.X-XXX-X-XX-XR		
	BY: TOBIN Q	2/20/2023	SHEET 3 OF 4

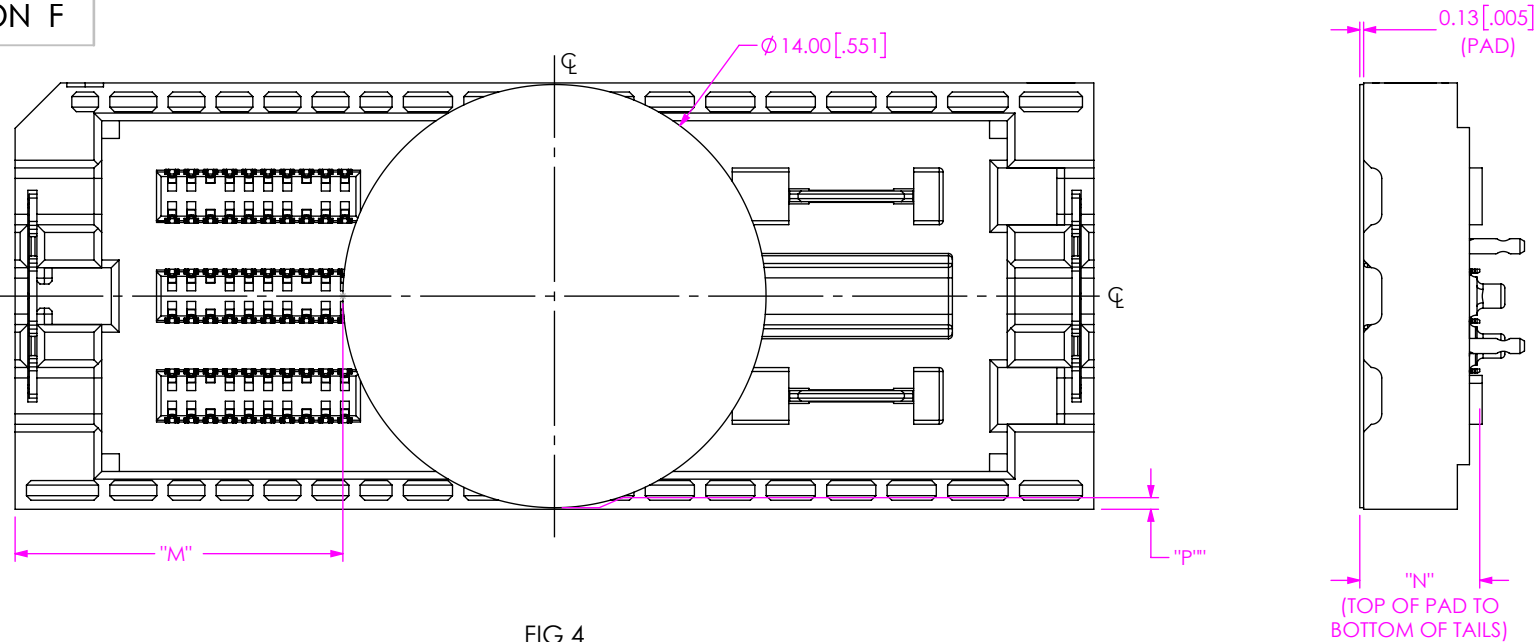


FIG 4
POLYIMIDE PAD
UDM6-10-3-01.5-XXX-A-TH-XR SHOWN
(SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 5			
No OF SIGNAL POS PER ROW	No OF POWER POS PER ROW	"M"	"P"
-10	-2	7.84	0.82
-20	-2	11.01	0.05
-30	-2	14.19	0.05
-40	-2	17.36	0.82
-10	-3	10.84	0.05
-20	-3	14.01	0.05
-30	-3	17.19	0.05
-40	-3	20.36	0.05
-10	-4	13.84	0.82
-20	-4	17.01	0.05
-30	-4	20.19	0.05
-40	-4	23.36	0.82
-10	-5	16.84	0.05
-20	-5	20.01	0.05
-30	-5	23.19	0.05
-40	-5	26.36	0.05

TABLE 6	
LEADSTYLE	"N"
-01.5	3.967 [0.1562]
-03.5	5.967 [0.2349]
-06.5	8.967 [0.3530]
-08.5	10.967 [0.4318]

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DO NOT SCALE DRAWING SHEET SCALE: 4:1	DESCRIPTION: UDM6 ASSEMBLY	
	DWG. NO. UDM6-XX-X-XX.X-XXX-X-XX-XR	
	BY: TOBIN Q	2/20/2023 SHEET 4 OF 4