

NOTES:

1. COMPRESSION SIDE PAD PLATING TO BE 0.000762[.000030] GOLD WITH HARDNESS OF 130-200 KNOOP PER ASTM B 488 TYPE 2, GRADE C.
2. SOLDER BALL PADS TO HAVE SOLDERABLE SURFACE FINISH.
3. RECOMMENDED PLACEMENT FOR 1.587 THICK MATING PCB.
4. COMPRESSION SIDE SOLDER MASK KEEP OUT AREA.
5. SEE PRODUCT SPEC SHEET AND ZAX MATED DOCUMENT FOR HARDWARE RECOMMENDATIONS.
6. PCB PAD COPLANARITY TO BE 0.050[.002] MAX
7. IF NON-SAMTEC HARDWARE IS BEING USED, TOLERANCE STUDY MUST BE VERIFIED

TABLE 1			
No OF POS	"A"	"B"	"C"
-10	14.30 [.563]	12.30 [.484]	9.000 [.3543]
-20	24.30 [.957]	22.30 [.878]	19.000 [.7480]
-30	38.30 [1.508]	36.30 [1.429]	33.000 [1.2992]
-40	48.30 [1.902]	46.30 [1.823]	43.000 [1.6929]

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES ARE:

DECIMALS ANGLES
X.X: ±0.3 [.01]
X.XX: ±0.13 [.005]
X.XXX: ±0.051 [.0020]

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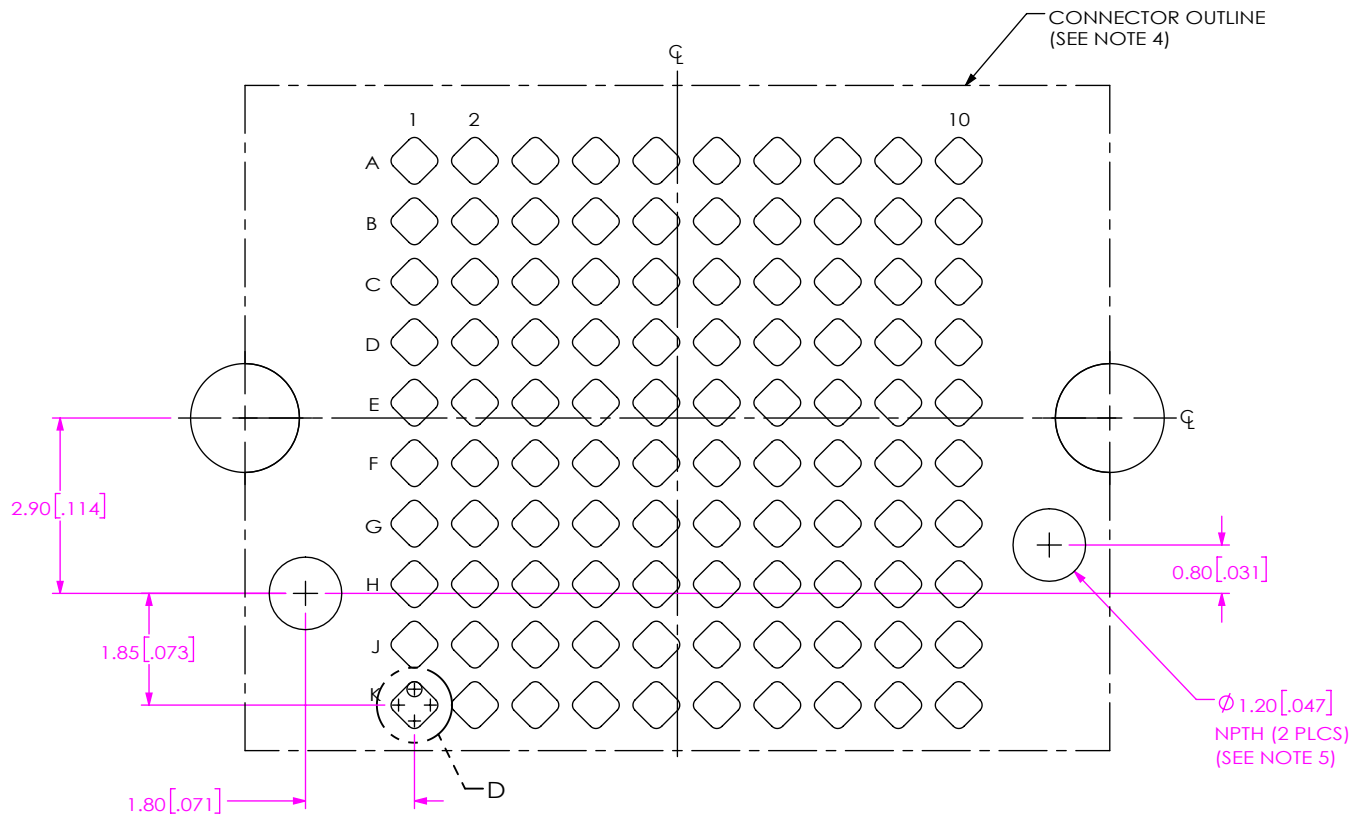
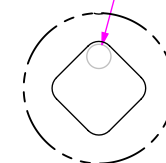


FIG 2
ZA1-10-2-1.00-X-10 TOP MATING PCB SHOWN
(DUAL COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

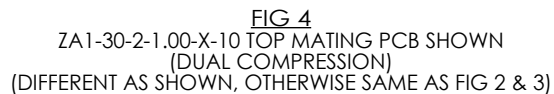
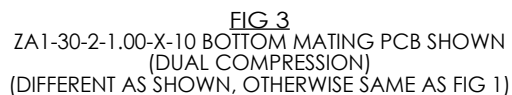


DETAIL D
SCALE 16:1

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— SHEET 3 OF 8

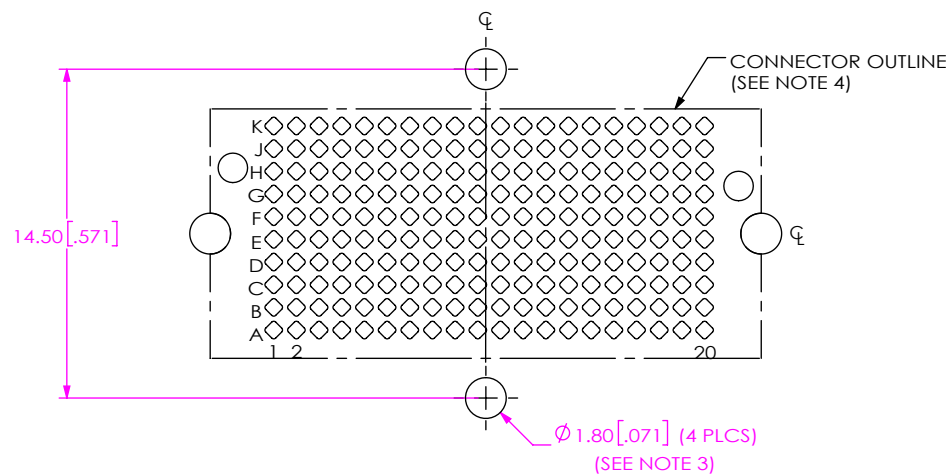


FIG 5
ZA1-20-2-1.00-X-10 BOTTOM MATING PCB SHOWN
(DUAL COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1 & 2)

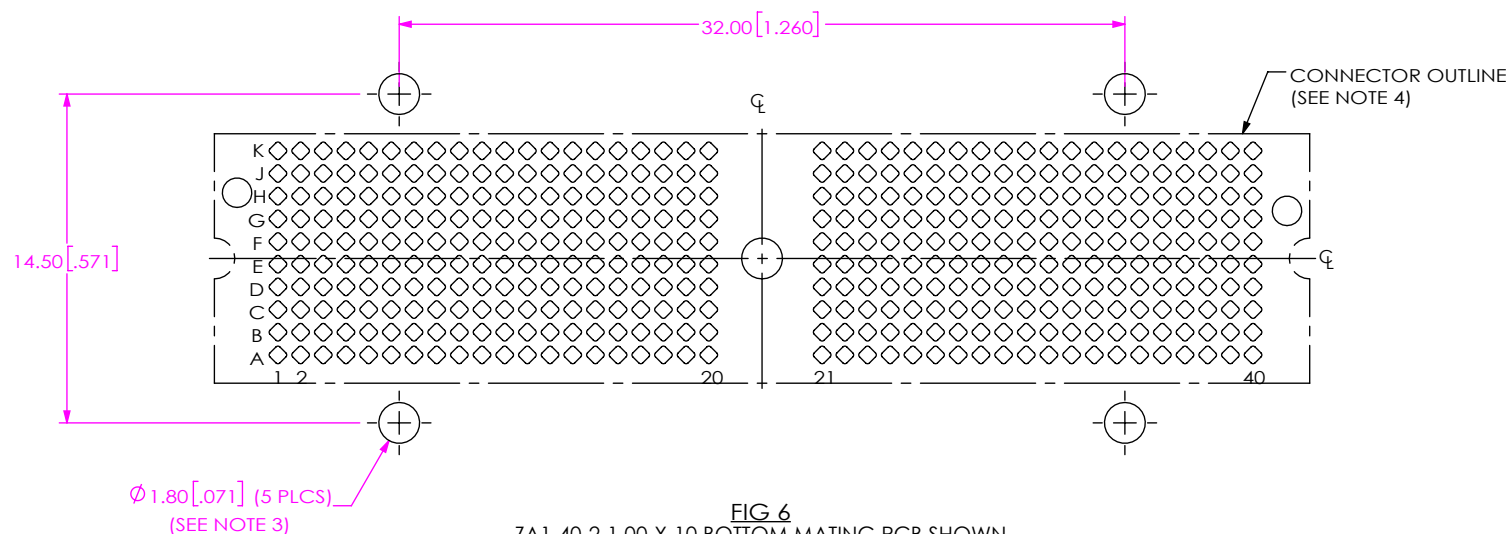


FIG 6
ZA1-40-2-1.00-X-10 BOTTOM MATING PCB SHOWN
(DUAL COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

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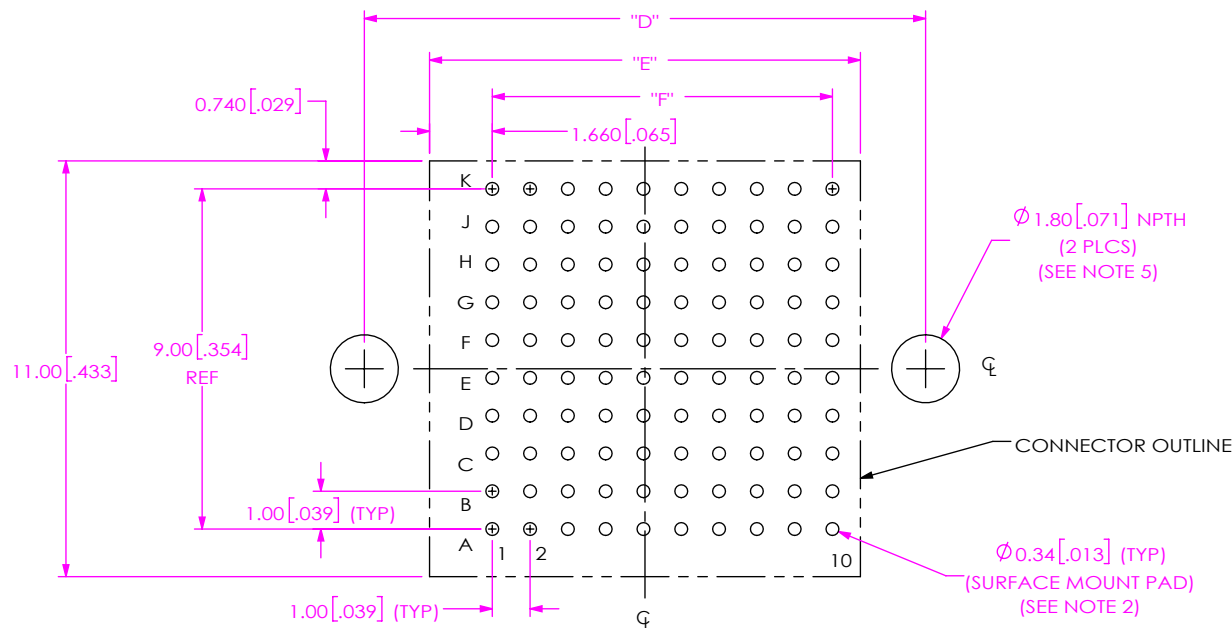


FIG 7
ZA1-10-1-1.00-X-10-X BOTTOM MATING PCB SHOWN
(SINGLE COMPRESSION)

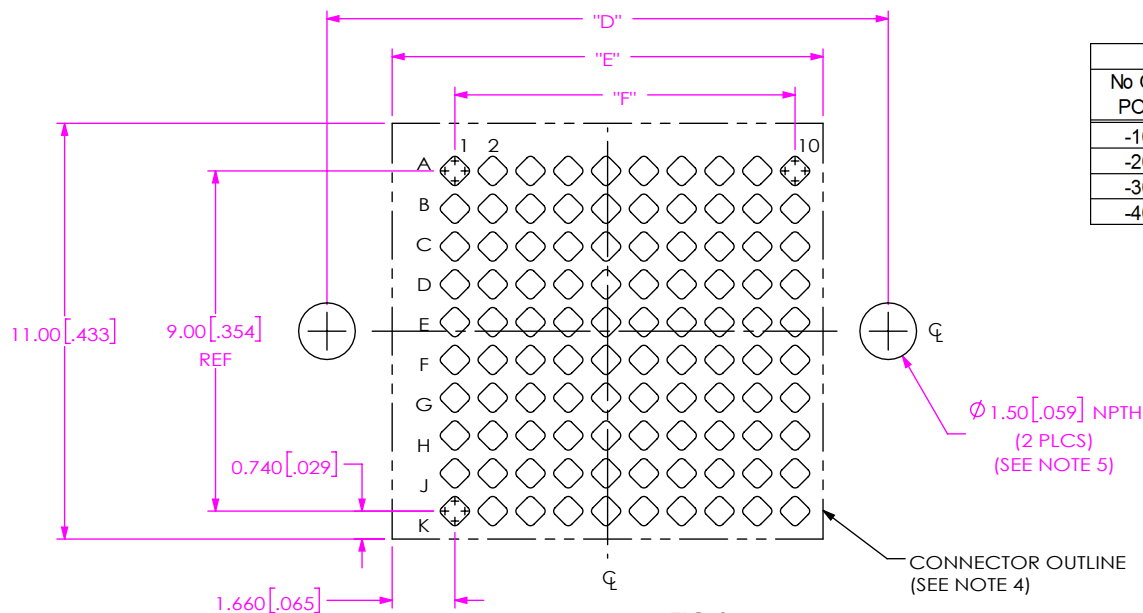


FIG 8
ZA1-10-1-1.00-X-10-X TOP MATING PCB SHOWN
(SINGLE COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)

TABLE 2						
No OF POS	"D"	"E"	"F"	"G"	"H"	"J"
-10	14.85 [.585]	11.400 [.4488]	9.00 [.354]	N/A	N/A	4.04 [.159]
-20	24.85 [.978]	21.400 [.8425]	19.00 [.748]	N/A	N/A	9.04 [.356]
-30	40.85 [1.608]	37.400 [1.4724]	35.00 [1.378]	14.00 [.551]	23.66 [.931]	N/A
-40	50.85 [2.002]	47.400 [1.8661]	45.00 [1.772]	19.00 [.748]	28.66 [1.128]	N/A

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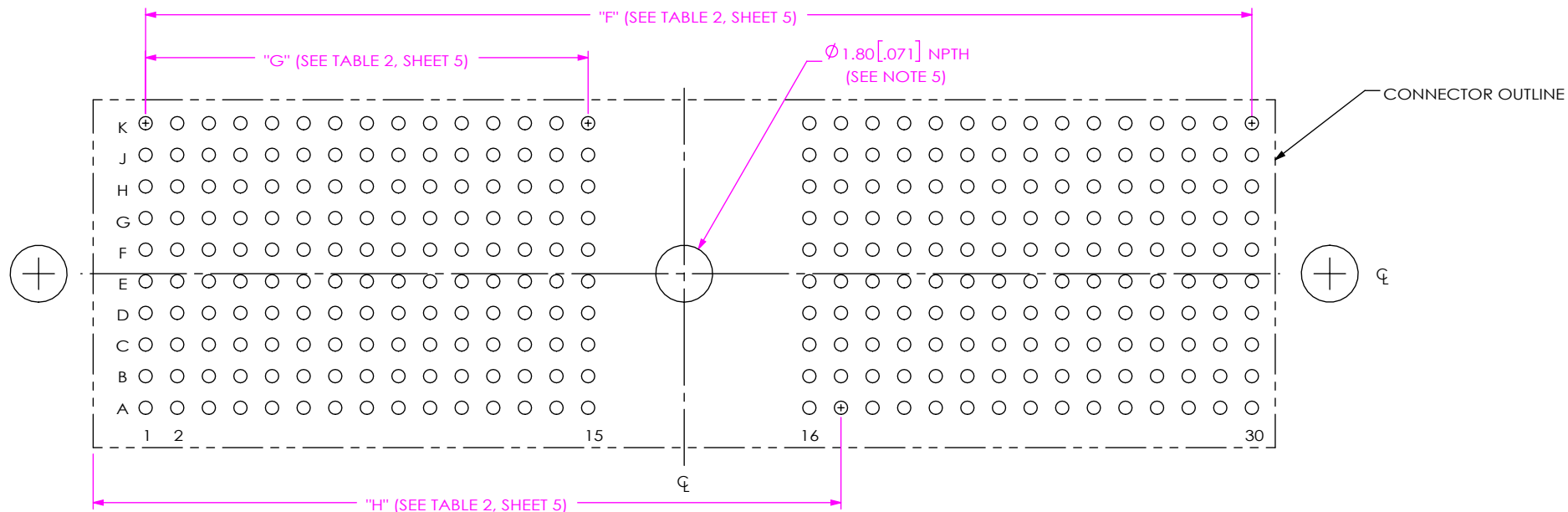


FIG 9
ZA1-30-1-1.00-X-10-X BOTTOM MATING PCB SHOWN
(SINGLE COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 7)

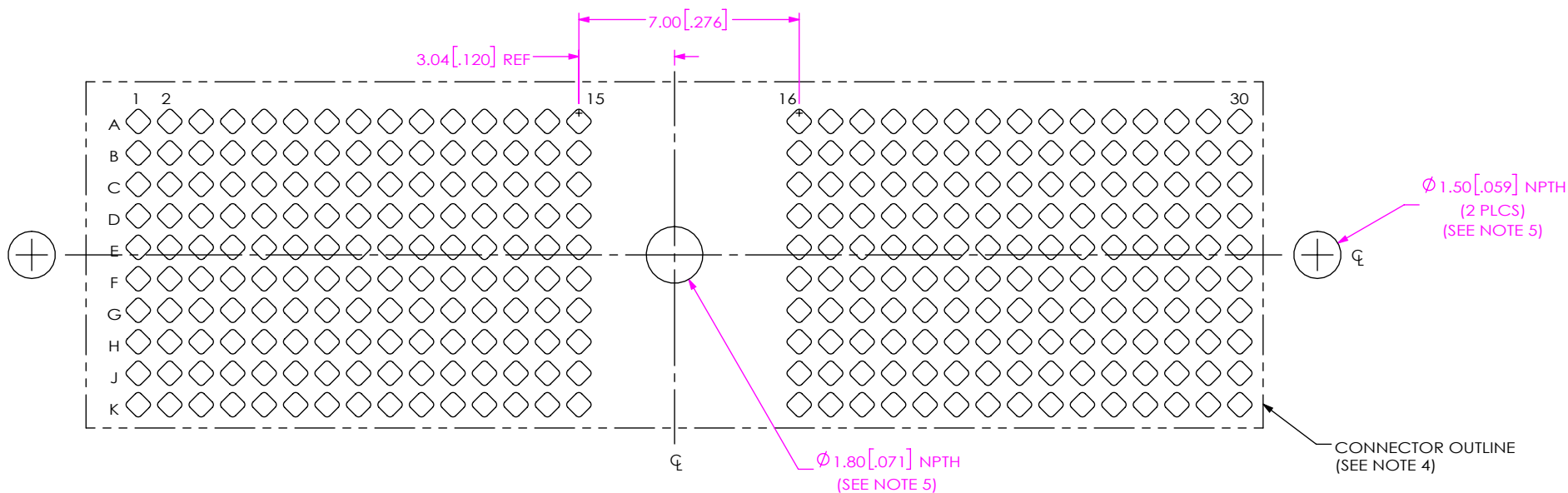


FIG 10
ZA1-30-1-1.00-X-10-X TOP MATING PCB SHOWN
(SINGLE COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 8)

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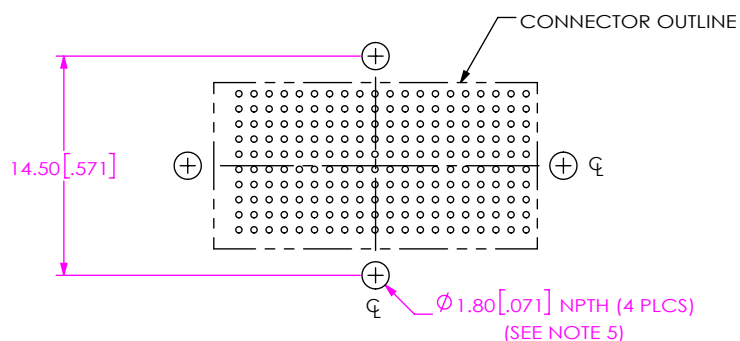


FIG 11
ZA1-20-1-1.00-X-10-X BOTTOM MATING PCB SHOWN
(SINGLE COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 7)

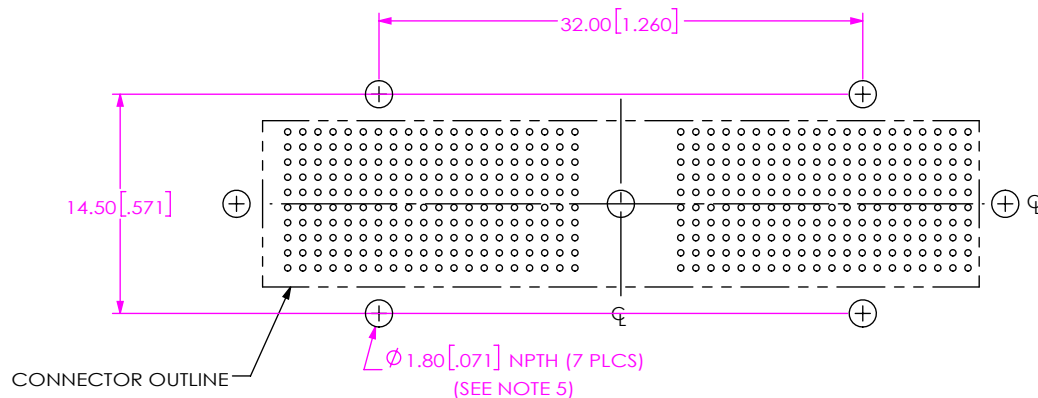


FIG 13
ZA1-40-1-1.00-X-10-X BOTTOM MATING PCB SHOWN
(SINGLE COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 9)

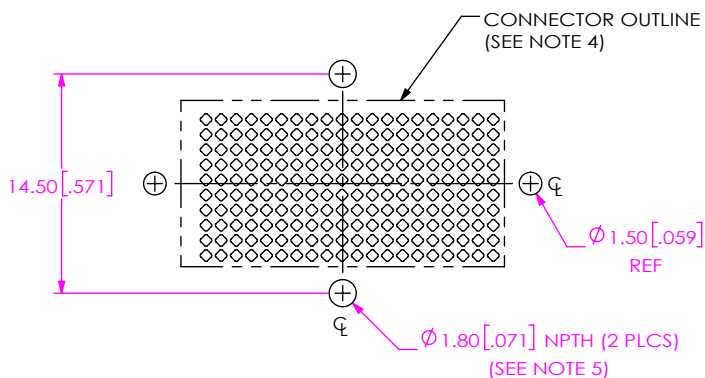


FIG 12
ZA1-20-1-1.00-X-10-X TOP MATING PCB SHOWN
(SINGLE COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 8)

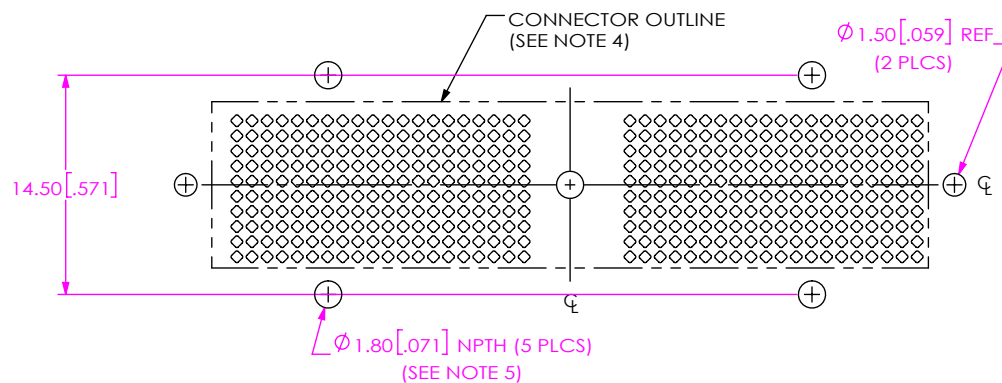


FIG 14
ZA1-40-1-1.00-X-10-X TOP MATING PCB SHOWN
(SINGLE COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 10)

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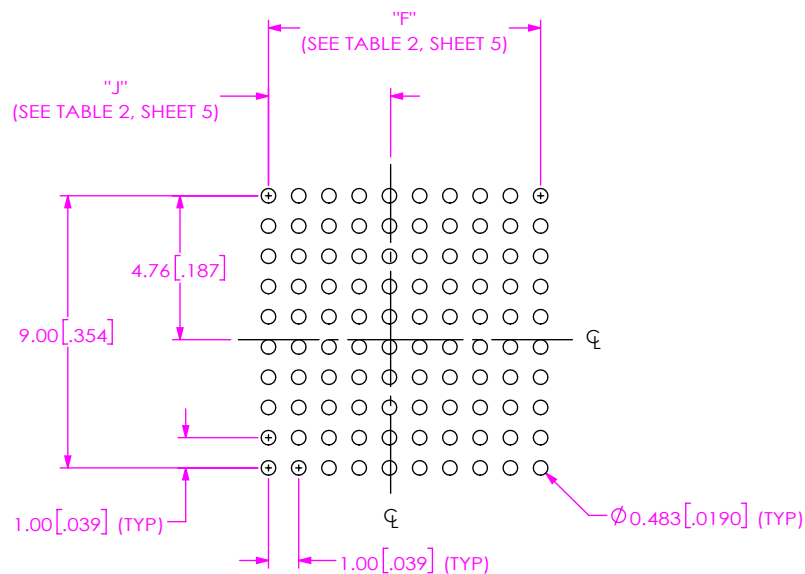


FIG 15
ZA1-10-1-1.00-X-10-X BOTTOM STENCIL SHOWN
(SINGLE COMPRESSION STENCIL)

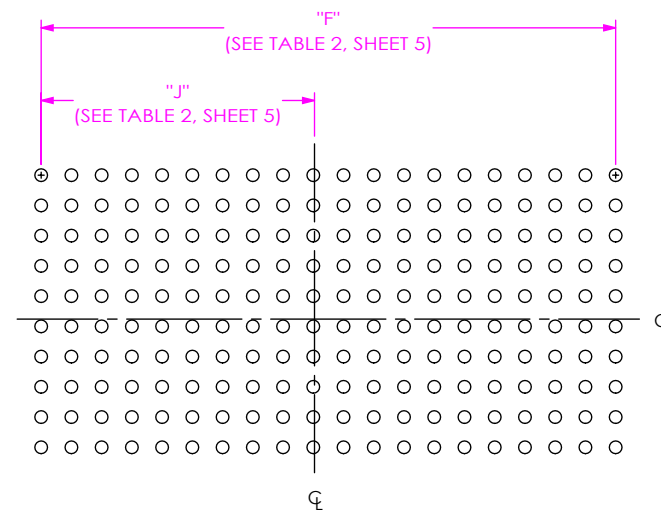


FIG 16
ZA1-20-1-1.00-X-10-X BOTTOM STENCIL SHOWN
(SINGLE COMPRESSION STENCIL)

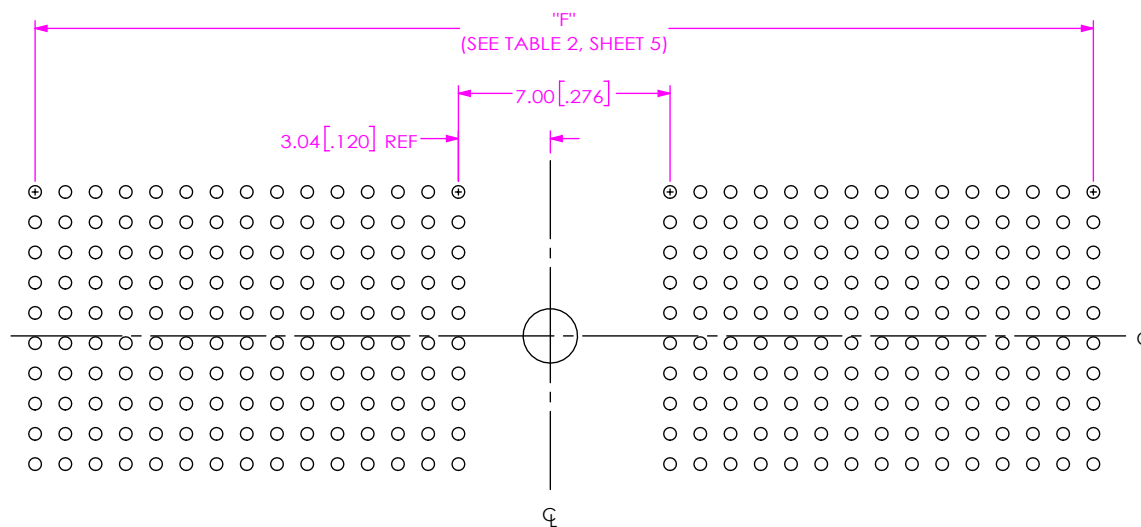


FIG 17
ZA1-30-1-1.00-X-10-X BOTTOM STENCIL SHOWN
(SINGLE COMPRESSION STENCIL)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG15)
(ALSO APPLIES TO ZA1-40)

NOTE:
STENCIL TO BE 0.127 [.0050] THICK.