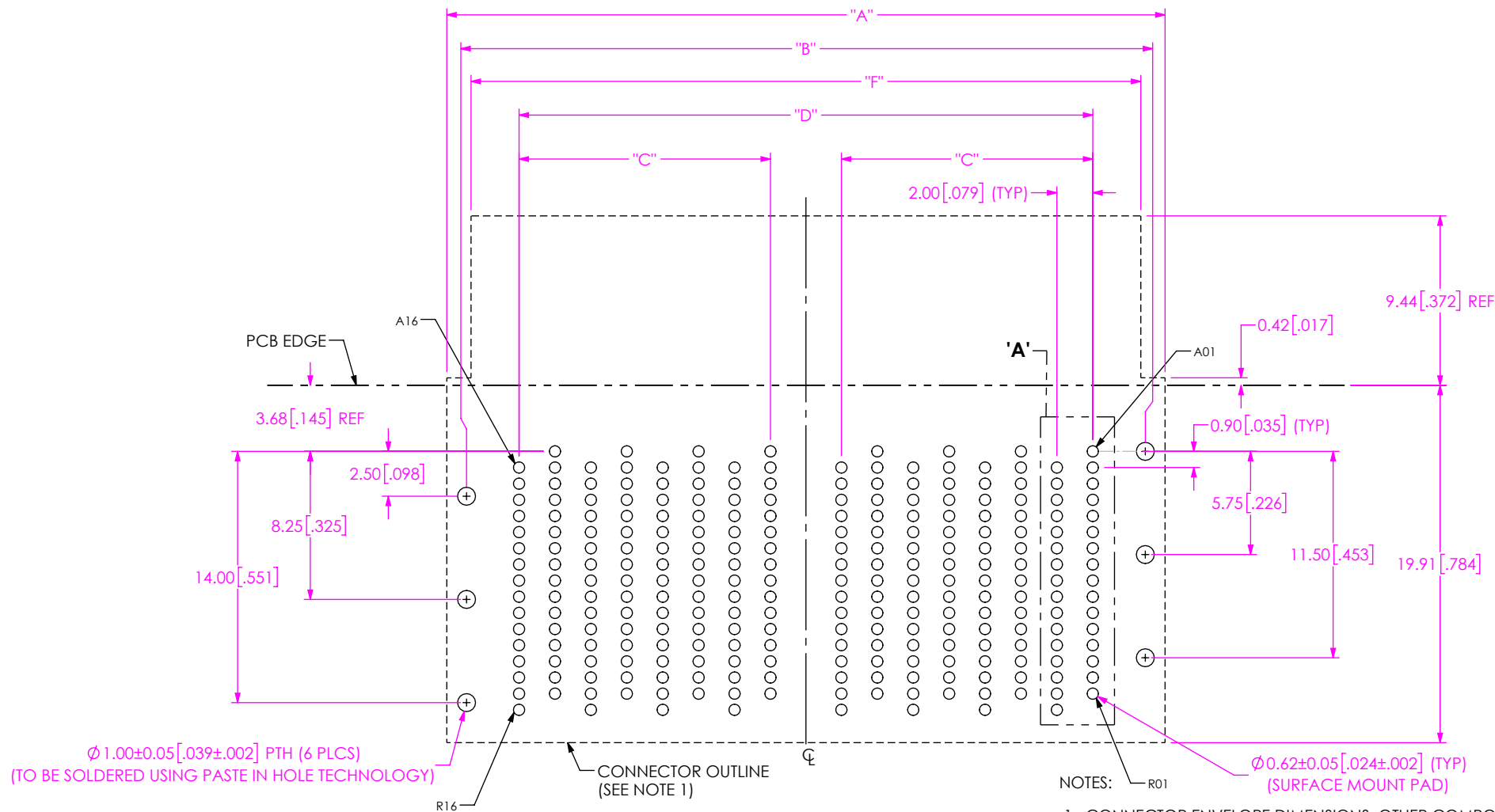


DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]FIG1
NVBM-XX-16-RA-XXX-X-XX FOOTPRINT SHOWN

- NOTES:
1. CONNECTOR ENVELOPE DIMENSIONS. OTHER COMPONENTS PLACED ON PCB SHALL AVOID THIS ZONE.
 2. ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE.
 3. -0 COLUMN TERMINATION CONNECTORS ARE SOLDERED WITH OPTIMIZED SOLDER PASTE VOLUME IN PLACE OF AN ATTACHED SOLDER BALL, USING OVERSIZED RECTANGULAR STENCIL APERTURES CENTERED OVER ROUND PCB PADS (DESIGN VERIFIED THROUGH TESTING). THE PASTE COALESCES DURING REFLOW TO FORM A COLUMNAR SOLDER JOINT. FOR MORE INFORMATION, CONTACT SAMTEC'S INTERCONNECT PROCESSING GROUP (IPG@SAMTEC.COM).
 4. ALL GROUNDS WITHIN A ROW ARE COMMON.

TABLE 1

NO. OF ROWS	"A"	"B"	"C"	"D"	"E"	"F"
-04	16.00 [0.630]	13.80 [0.543]	2.00 [0.079]	7.95 [0.3130]	16.30 [0.642]	13.30 [0.524]
-08	24.00 [0.945]	21.80 [0.858]	6.00 [0.236]	15.95 [0.6280]	24.30 [0.957]	21.30 [0.839]
-12	32.00 [1.260]	29.80 [1.173]	10.00 [0.394]	23.95 [0.9429]	32.30 [1.272]	29.30 [1.154]
-16	40.00 [1.575]	37.80 [1.488]	14.00 [0.551]	31.95 [1.2579]	40.30 [1.587]	37.30 [1.469]
-18	44.00 [1.732]	41.80 [1.646]	16.00 [0.630]	35.95 [1.4154]	44.30 [1.744]	41.30 [1.626]
-24	56.00 [2.205]	53.80 [2.118]	22.00 [0.866]	47.95 [1.8878]	56.30 [2.217]	53.30 [2.098]
-32	72.00 [2.835]	69.80 [2.748]	30.00 [1.181]	63.95 [2.5177]	72.30 [2.846]	69.30 [2.728]

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NOTE:
STENCIL TO BE 0.153[.0060] THICK. **C**

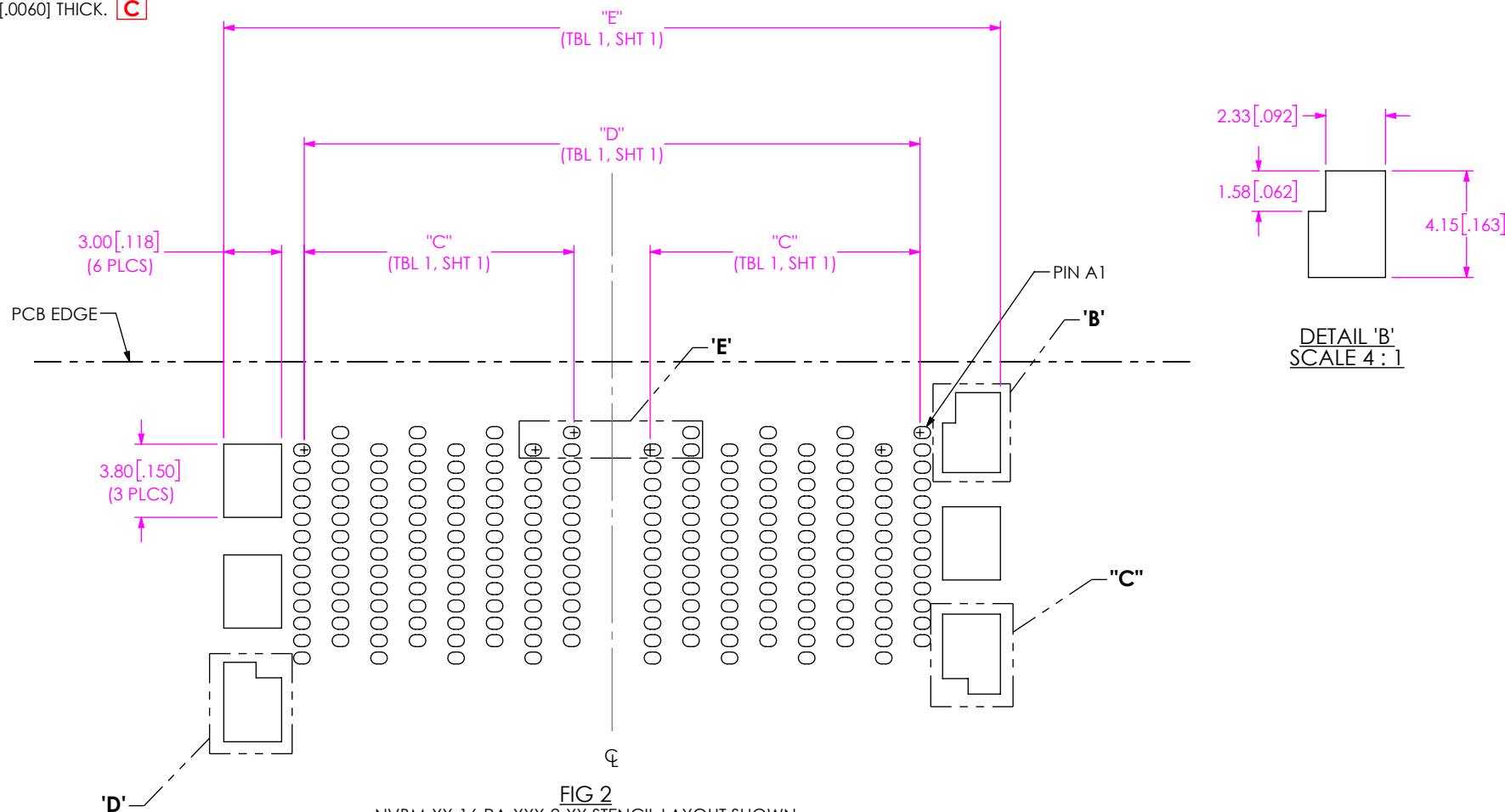
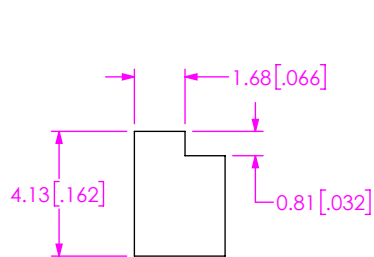
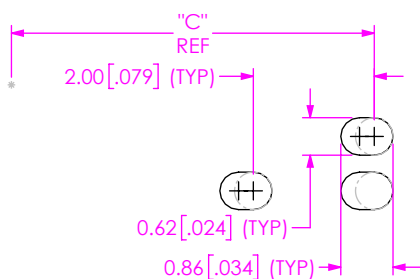


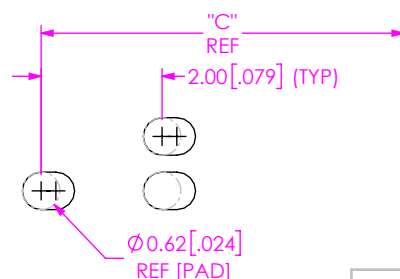
FIG 2
NVBM-XX-16-RA-XXX-2-XX STENCIL LAYOUT SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(FOR -1, -2 SOLDER CHARGE OPTION ONLY)



DETAIL 'D'
SCALE 4 : 1



DETAIL 'E'
SCALE 8 : 1



DETAIL 'C'
SCALE 4 : 1

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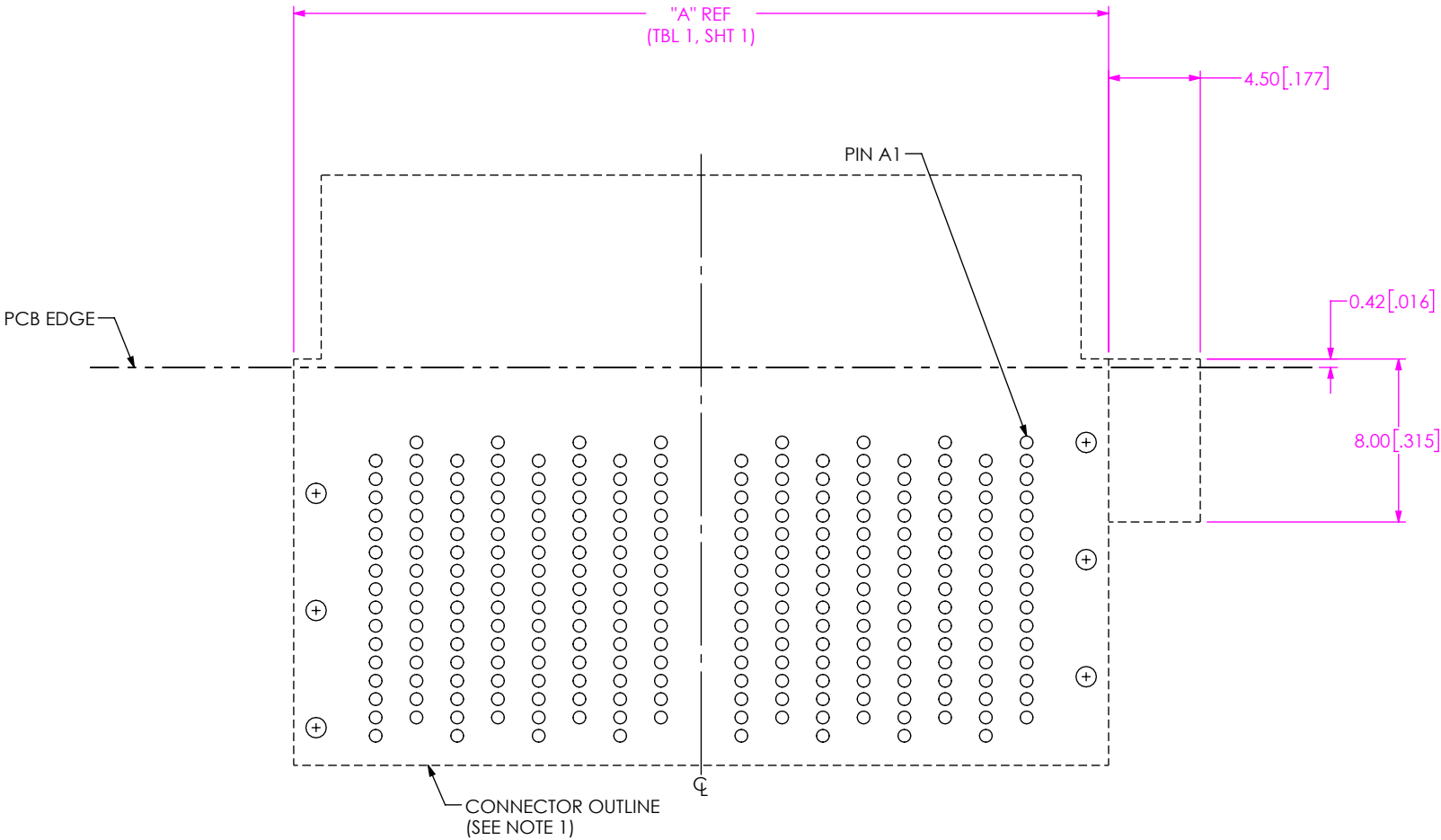


FIG 3
NVBM-XX-16-RA-XXX-L-X-XX FOOTPRINT SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)

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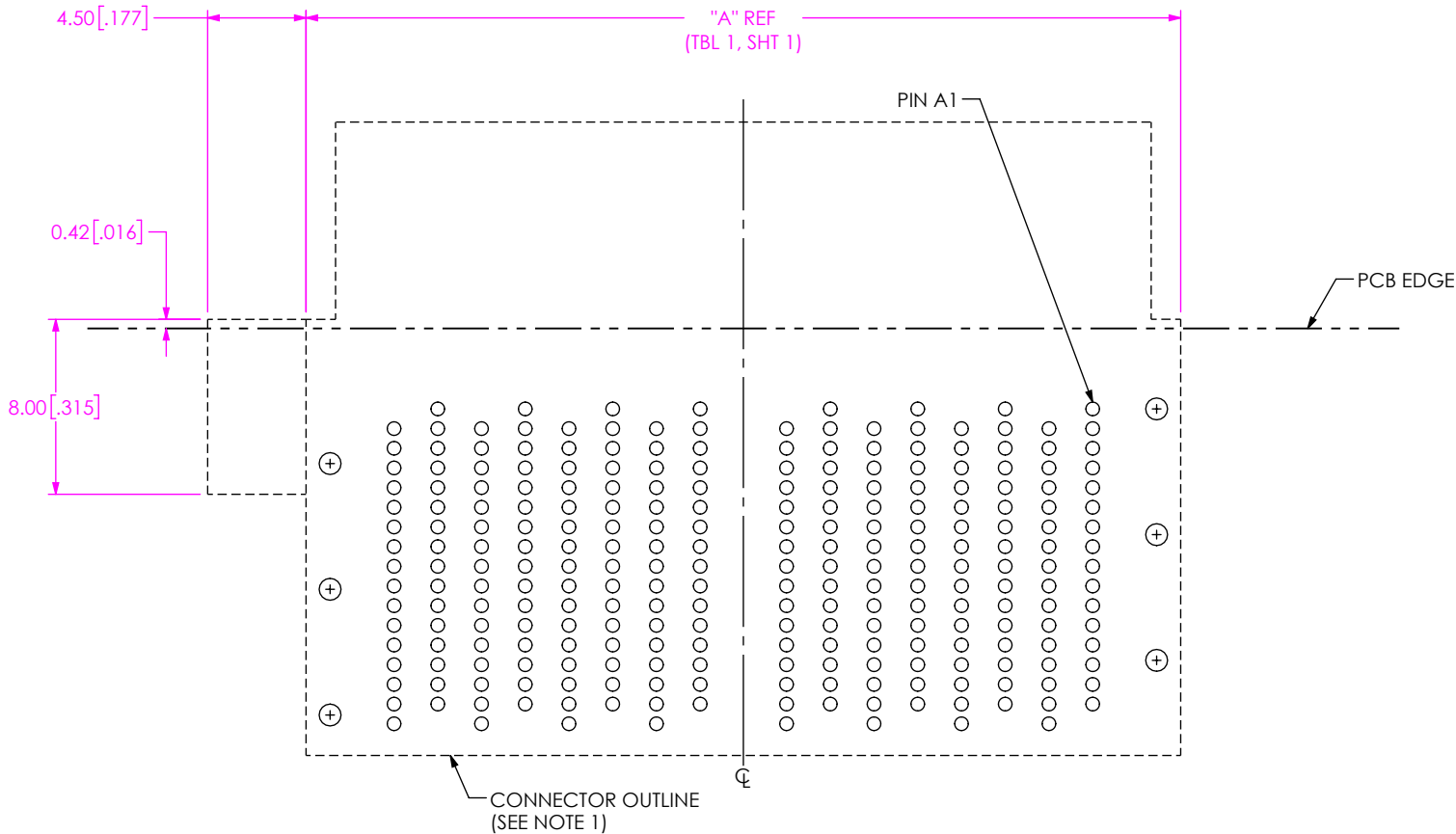


FIG 4
NVBM-XX-16-RA-XXX-R-X-XX FOOTPRINT SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)

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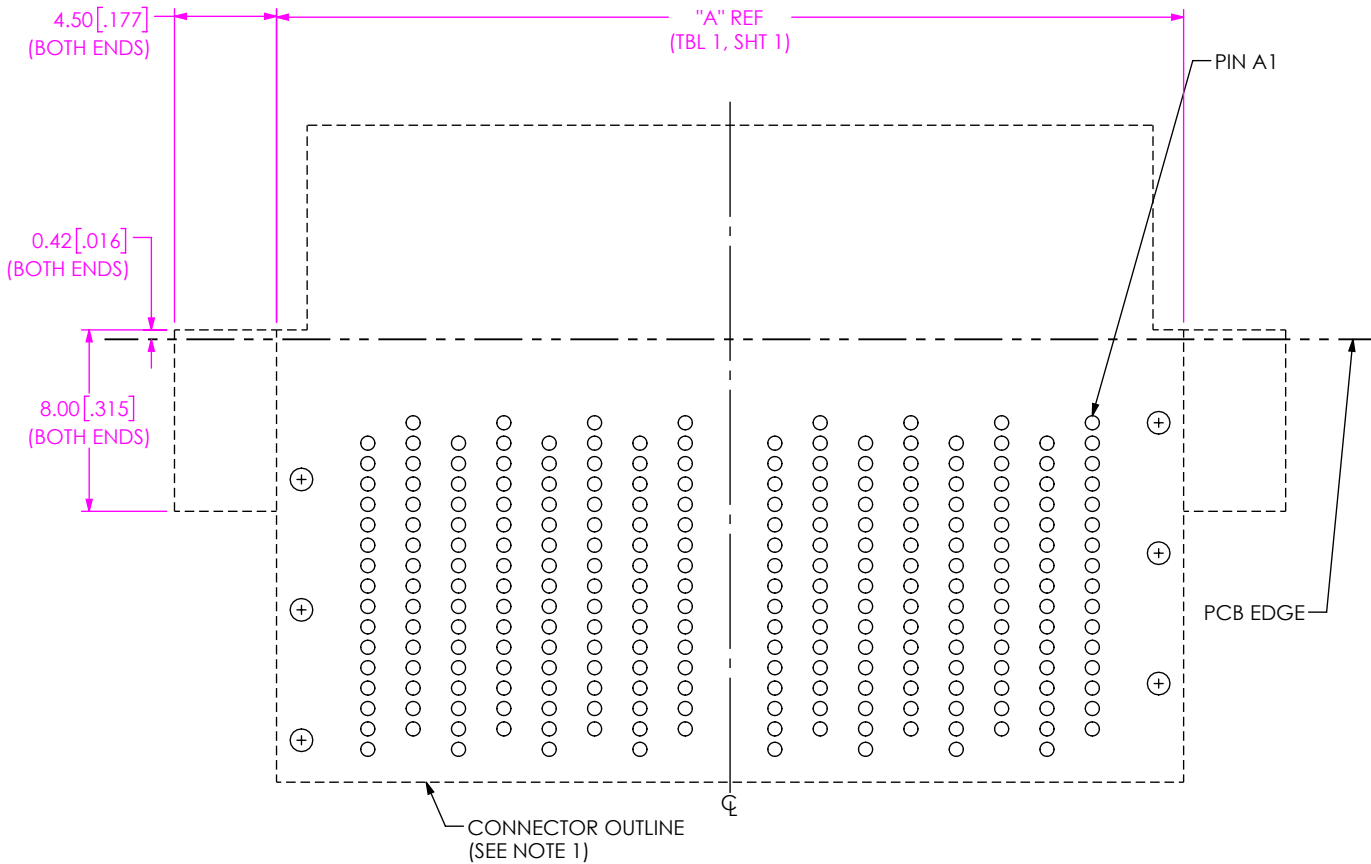
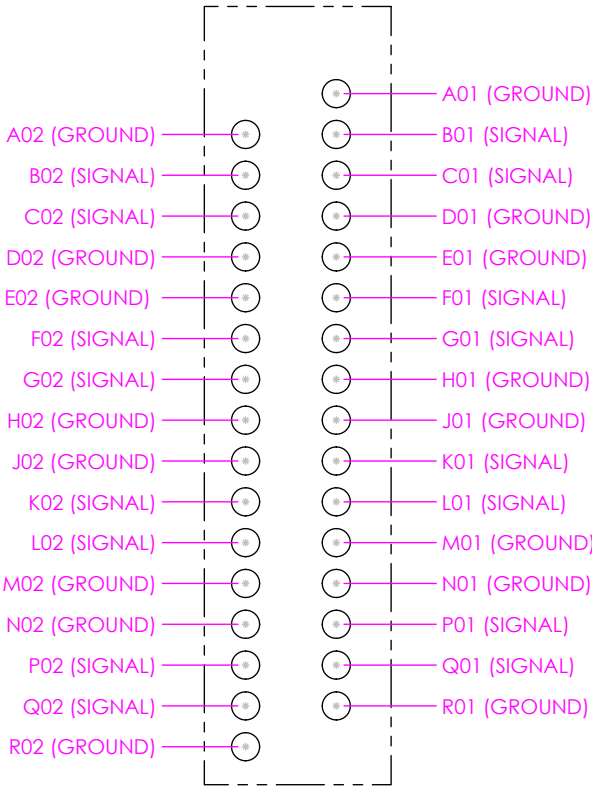


FIG 5
NVBM-XX-16-RA-XXX-B-X-XX FOOTPRINT SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)



DETAIL 'A'
SCALE 6:1
(PINOUT)

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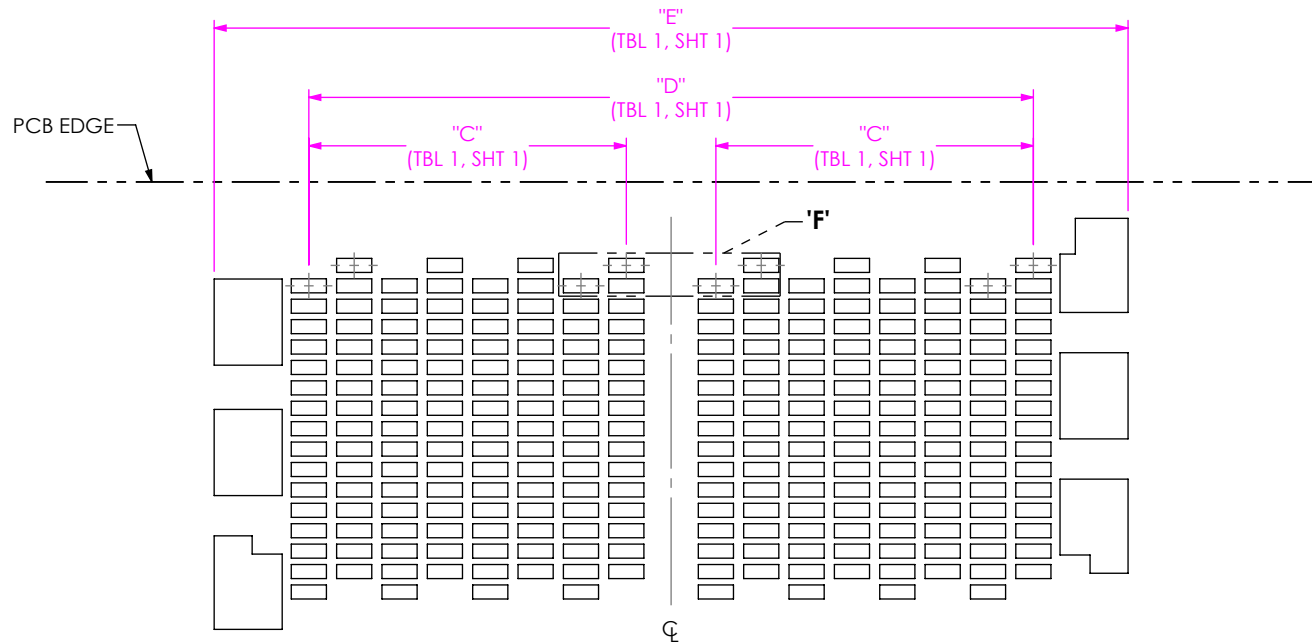
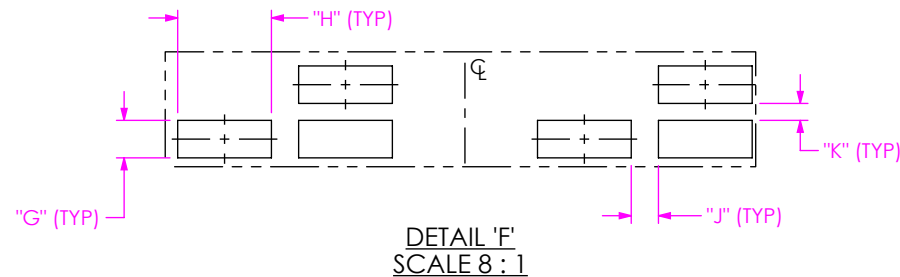


FIG 6
NVBM-XX-16-RA-XXX-0-XX STENCIL LAYOUT SHOWN
(SAME AS FIG 2, EXCEPT AS SHOWN)
(FOR -0 COLUMN OPTION ONLY)



C

TABLE 2				
STENCIL THICKNESS	"G"	"H"	"J"	"K"
0.127 [.0050]	0.580 [.0230]	1.550 [.0610]	0.450 [.0180]	0.320 [.0130]
0.153 [.0060]	0.580 [.0230]	1.300 [.0510]	0.700 [.0280]	0.320 [.0130]

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