

RECOMMENDED PCB LAYOUT FOR EBTM-6-XX-2.0-X-VT-X-X-X

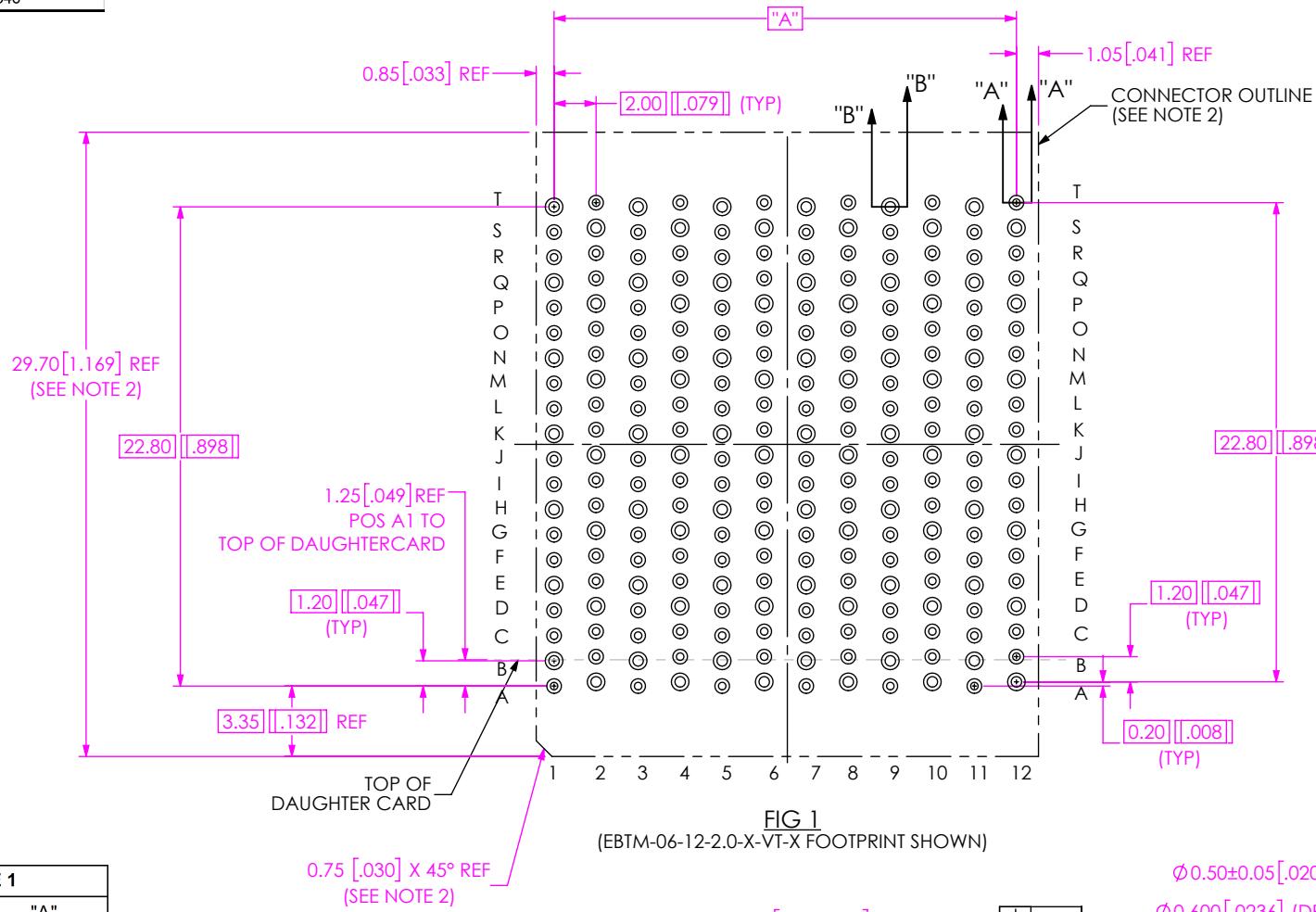
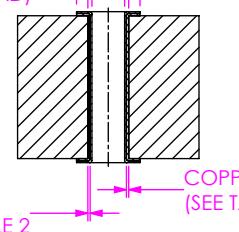
FIG 1
(EBTM-06-12-2.0-X-VT-X FOOTPRINT SHOWN)

TABLE 1	
COLUMN	"A"
-06	10.00 [.394]
-08	14.00 [.551]
-10	18.00 [.709]
-12	22.00 [.866]

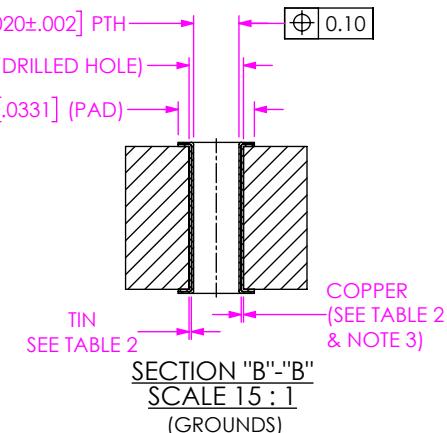
TABLE 2		
TIN (IMMERSION)	Cu	0.020-0.069 [.0008-.0027]
	Sn	0.0010-0.0020 [.00004-.00008]

NOTES:

1. ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE.
2. CONNECTOR ENVELOPE DIMENSION. OTHER COMPONENTS PLACED ON PCB SHALL AVOID THIS ZONE.
3. COPPER PLATING THICKNESS MAY NOT VARY BY MORE THAN 0.02 MM WITHIN ANY VIA.
4. CONTACT SAMTEC FOR CONNECTOR PRESS FIT INSTRUCTIONS AND REQUIRED FIXTURES.
5. SHROUD PEGS WILL BE INSERTED INTO THESE HOLES.
6. LEFT AND RIGHT GUIDANCE CONNECTORS INCLUDE A METAL HOLD-DOWN INSERT AND UTILIZE M2 SCREWS TO SECURE THE CONNECTOR TO THE PCB. DO NOT PUT TOP LEVEL TRACES OR VIAS IN THESE KEEP OUT ZONES. IF SCREWS HAVE AN OUTSIDE DIAMETER LARGER THAN 4.0MM, THEN ADDITIONAL CLEARANCE WILL BE REQUIRED FOR THE BOTTOM OF THE PCB.
7. ALL GROUNDS WITHIN A COLUMN ARE COMMON.

SECTION "A"-A"
SCALE 15:1
(SIGNALS)

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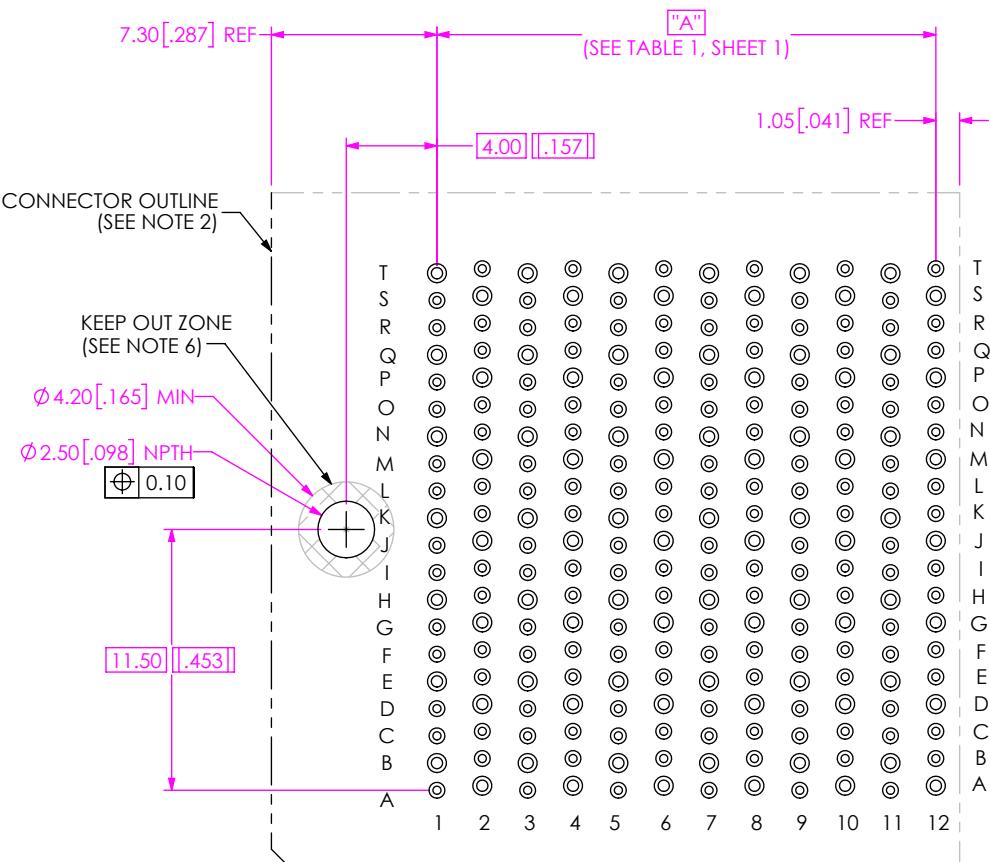
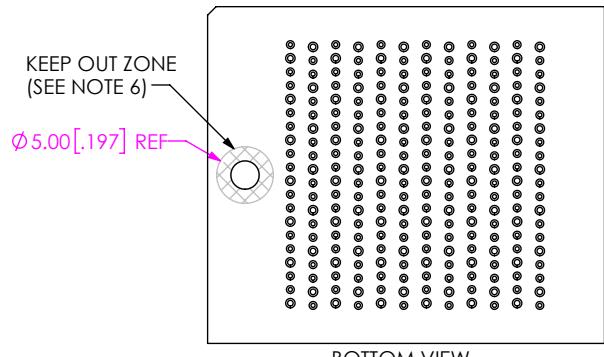


FIG 2 (TOP VIEW)
(EBTM-06-12-2.0-X-VT-X-R FOOTPRINT SHOWN)
(SAME AS FIG 1 EXCEPT AS SHOWN)



F:\DWG\MISC\Mktg\Footprnt\EBTM-6-XX-2.0-X-VT-X-X-X-FOOTPRINT.slddrw

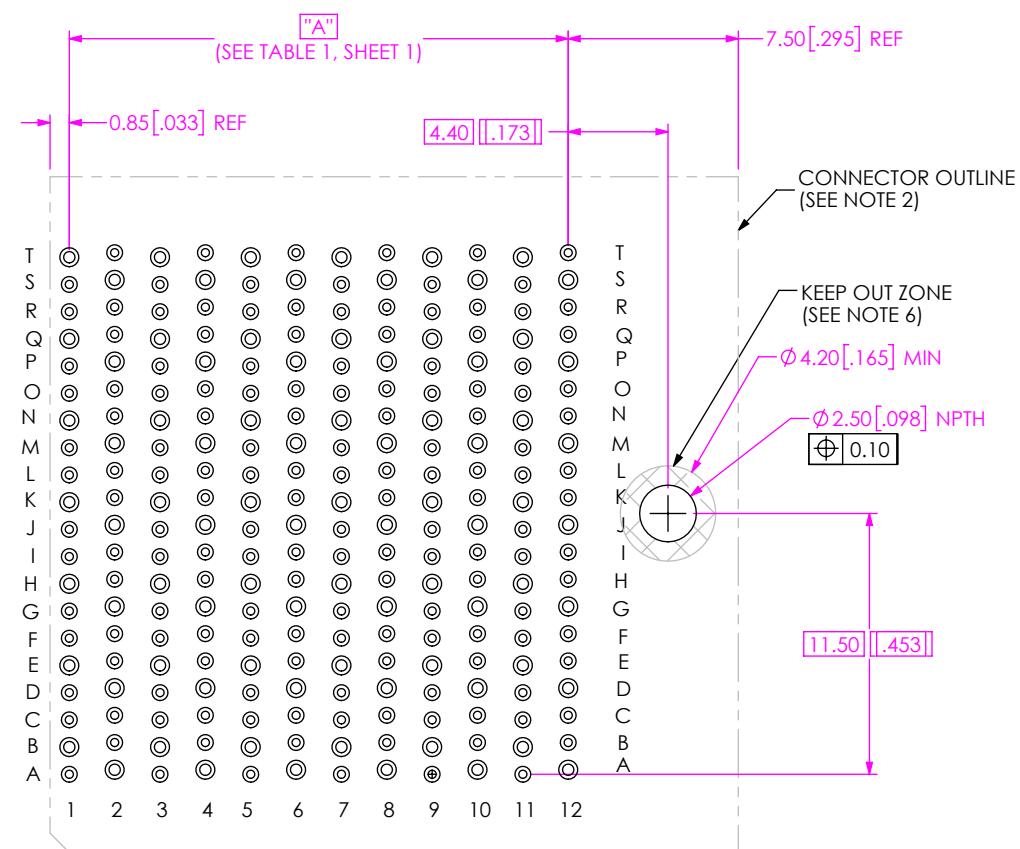


FIG 3 (TOP VIEW)
(EBTM-06-12-2.0-X-VT-X-L FOOTPRINT SHOWN)
(SAME AS FIG 2 EXCEPT AS SHOWN)

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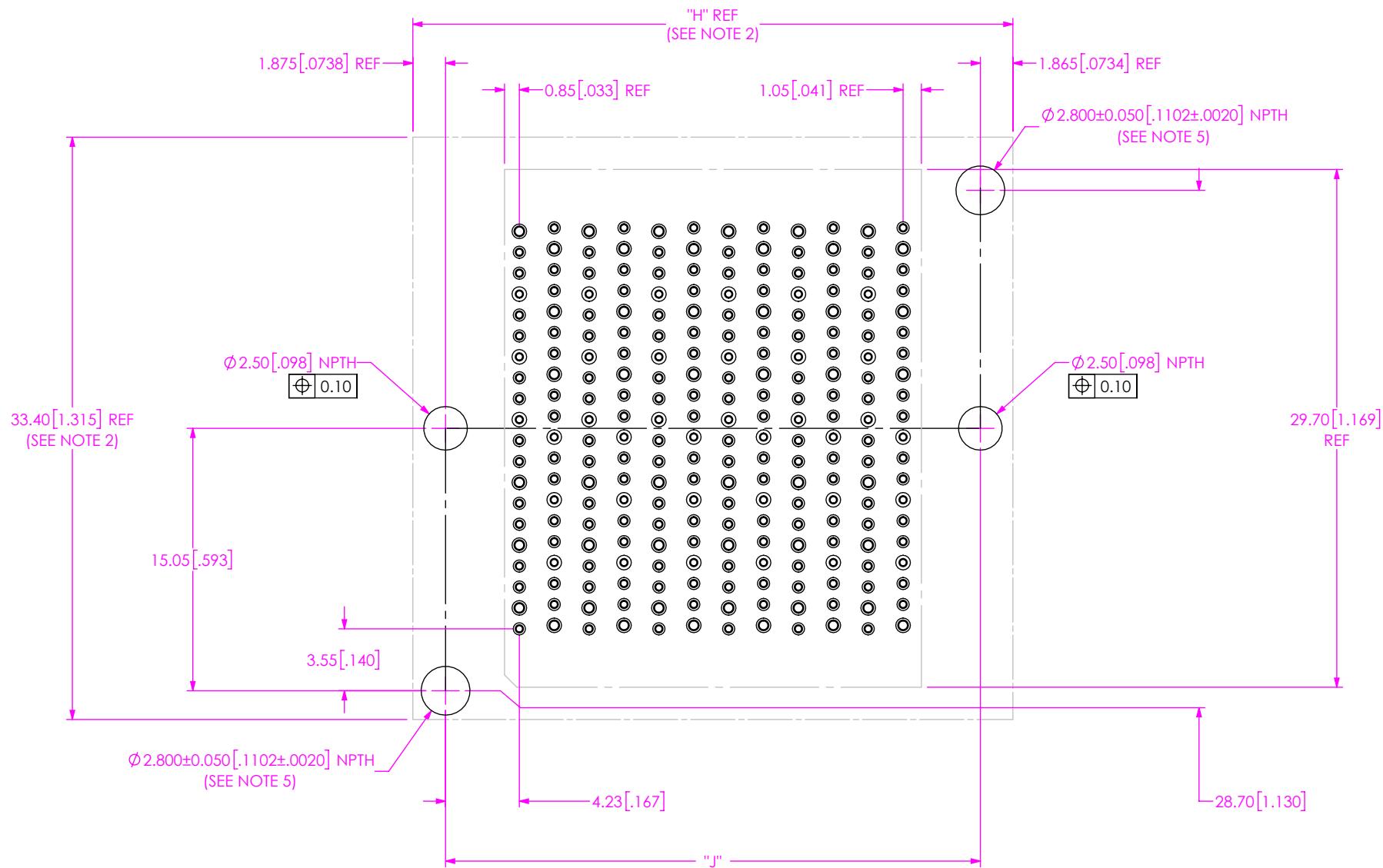


TABLE 3

TABLE 3		
NO OF COLUMNS	"H"	"J"
*-06	22.40 [.882]	18.66 [.735]
*-08	26.40 [1.039]	22.66 [.892]
*-10	30.40 [1.197]	26.66 [1.050]
**-12	34.40 [1.354]	30.66 [1.207]
*-14	38.40 [1.512]	34.66 [1.365]
*-16	42.40 [1.669]	38.66 [1.522]

* = NOT TOOL ED

** = NOT ENGINEERING APPROVED

FIG 4
(EBTM-06-12-2.0-X-VT-X WITH LATCHING BRACKET
FOR EBCF CABLE FOOTPRINT SHOWN)
(SAME AS FIG 1 EXCEPT AS SHOWN)

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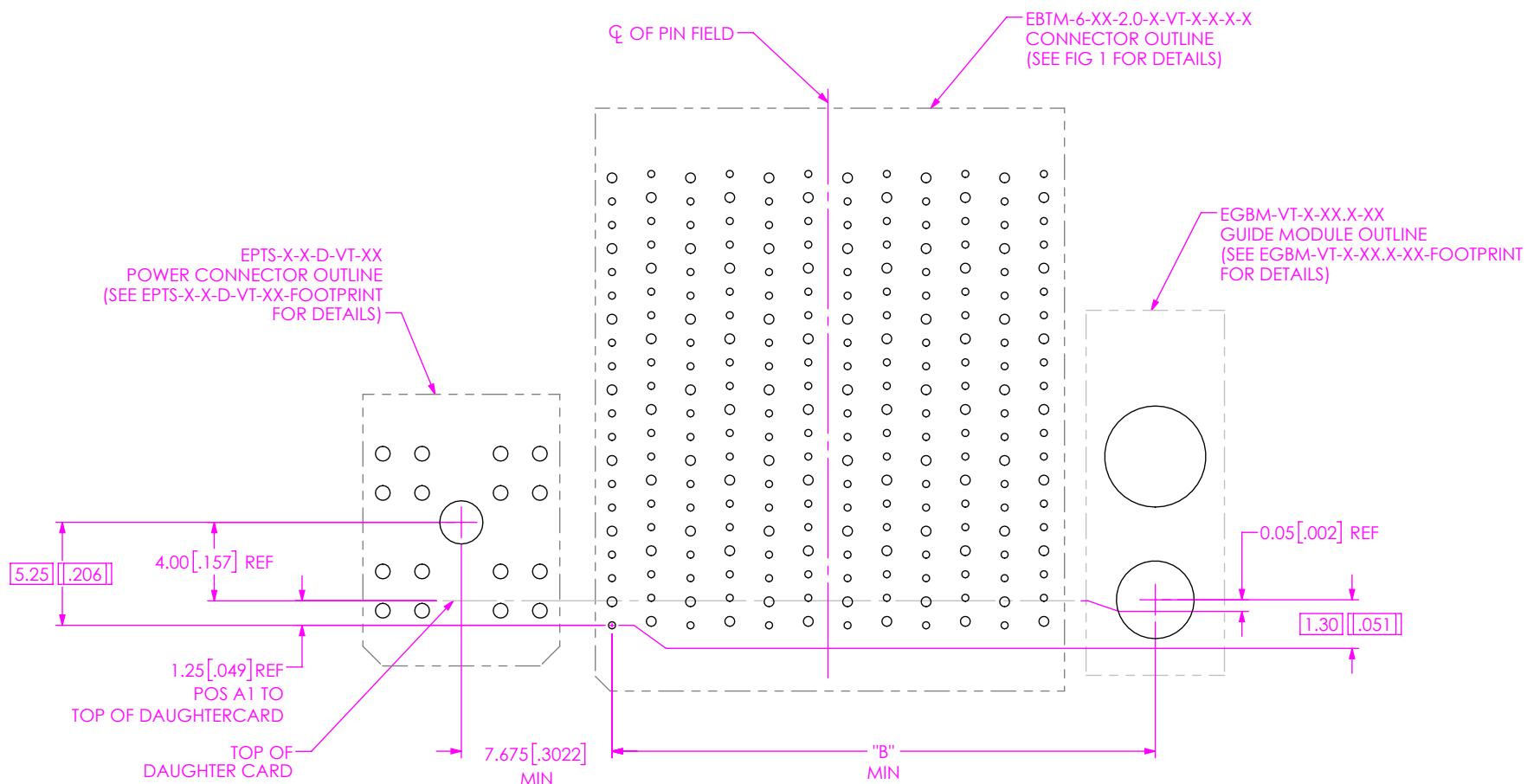


FIG 5
SIGNAL, POWER AND EXTERNAL GUIDANCE COMBO
(EPTS-2-P-D-VT-XX-FOOTPRINT, EBTM-6-XX-2.0-X-VT-X-X-FOOTPRINT,
AND EGBM-VT-X-XX.X-20-FOOTPRINT SHOWN)

TABLE 4	
COLUMNS	"B"
-06	15.675 [0.6171]
-08	19.675 [0.7746]
-10	23.675 [0.9321]
-12	27.675 [1.0896]

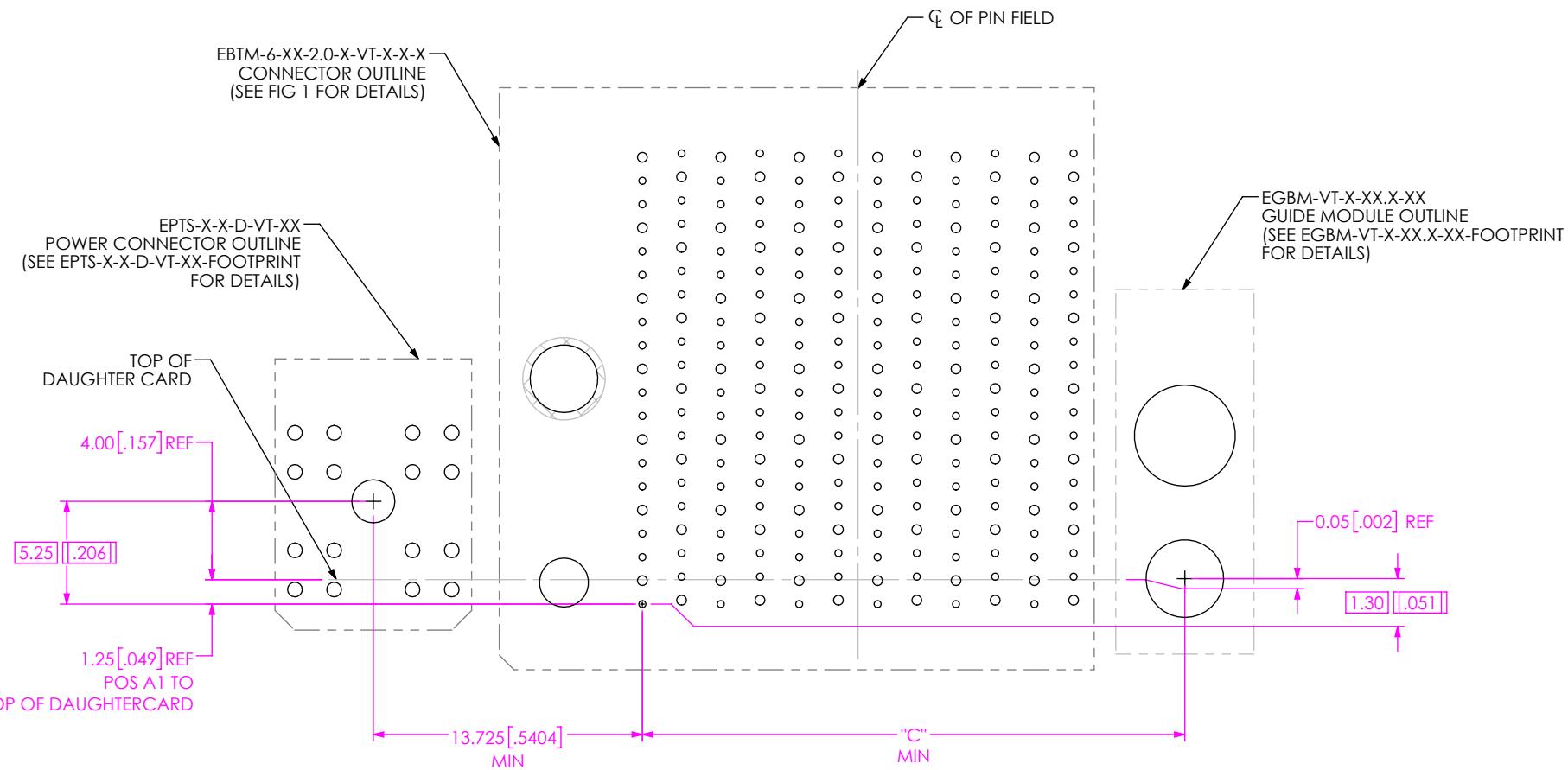


FIG 6
SIGNAL, POWER, INTERNAL (-R) AND EXTERNAL GUIDANCE COMBO
(EPTS-2-P-D-VT-XX-FOOTPRINT, EBTM-6-XX-2.0-X-VT-X-R-FOOTPRINT,
AND EGBM-VT-X-XX.X-20-FOOTPRINT SHOWN)

TABLE 5	
COLUMNS	"C"
-06	15.675 [0.6171]
-08	19.675 [0.7746]
-10	23.675 [0.9321]
-12	27.675 [1.0896]

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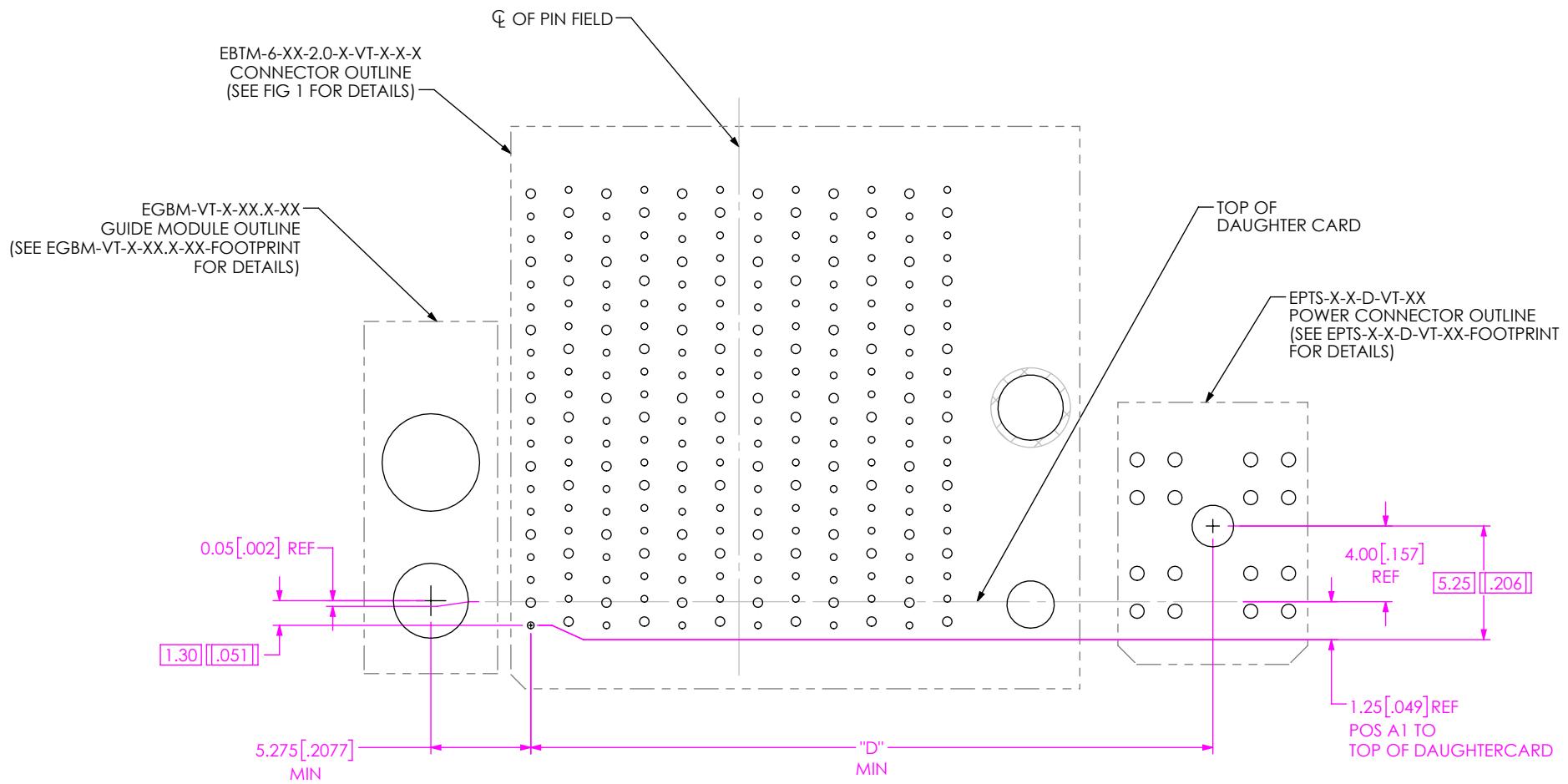


FIG 7
SIGNAL, POWER, INTERNAL (-L) AND EXTERNAL GUIDANCE COMBO
(EPTS-2-P-D-VT-XX-FOOTPRINT, EBTM-6-XX-2.0-X-VT-X-L-FOOTPRINT,
AND EGBM-VT-X-XX.X-20-FOOTPRINT SHOWN)

COLUMNS	"D"
-06	24.025 [0.9459]
-08	28.025 [1.1033]
-10	32.025 [1.2608]
-12	36.025 [1.4183]