

RECOMMENDED PCB LAYOUT FOR EBTF-4-XX-2.0-X-RA-X-X-X

7/13/2016	ECN-279764
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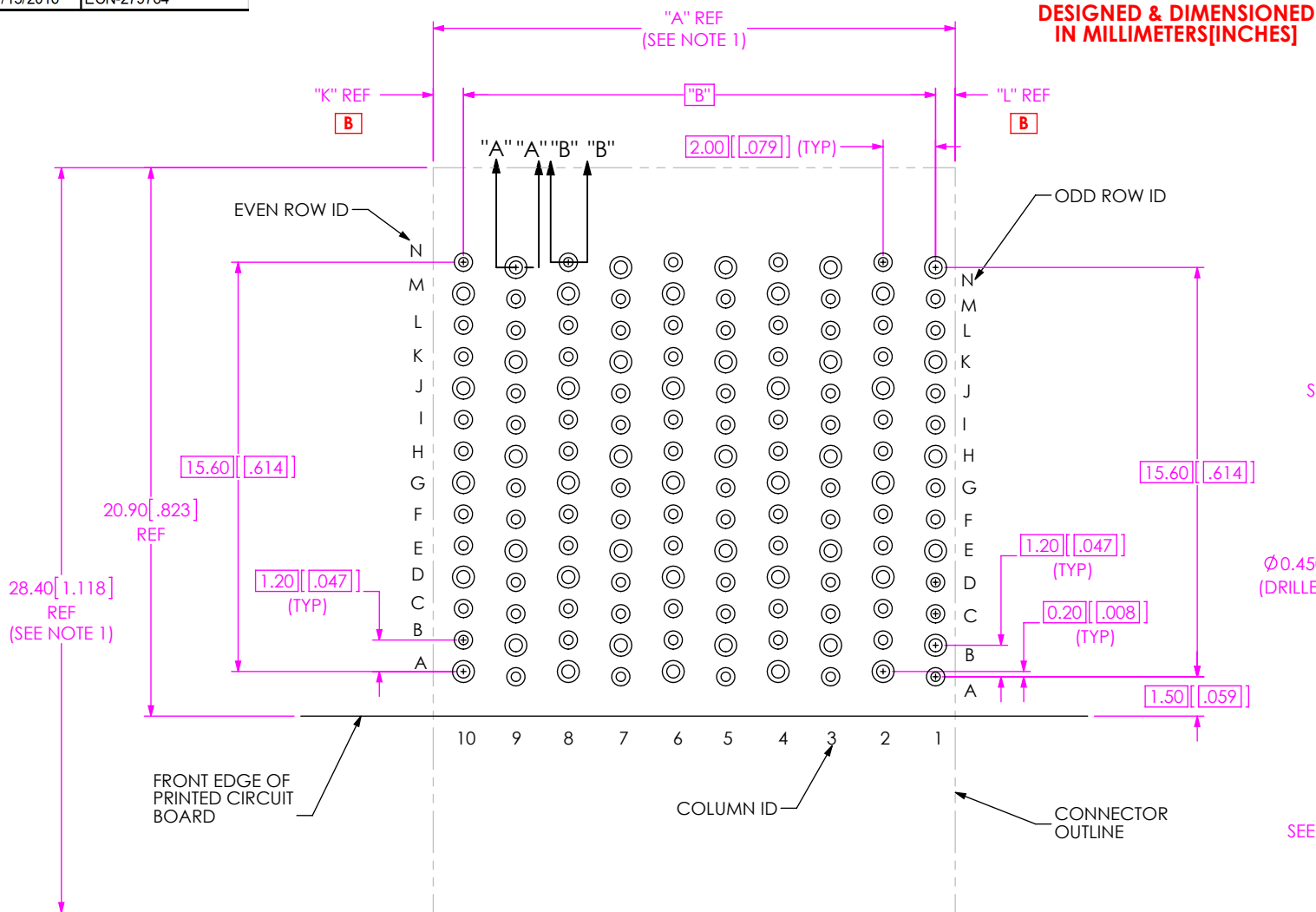
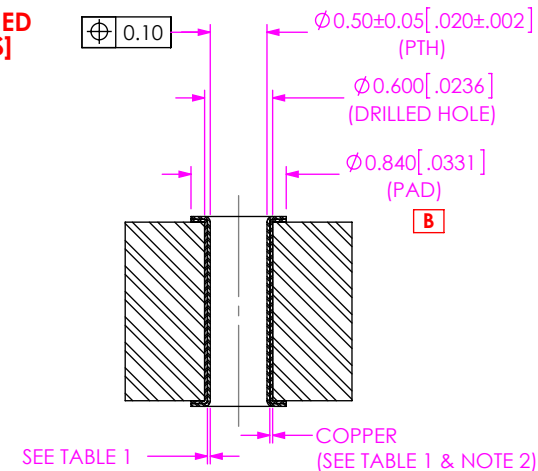
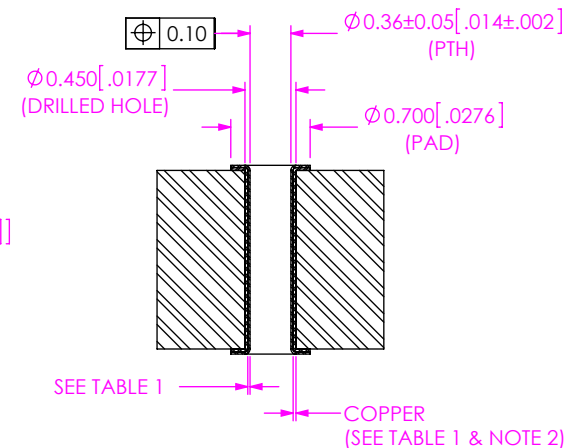


FIG 1
EBTF-4-10-2.0-X-RA-X SHOWN



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



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

NOTES:

1. CONNECTOR ENVELOPE DIMENSIONS. OTHER COMPONENTS PLACED ON PCB SHALL AVOID THIS ZONE.
2. COPPER PLATING THICKNESS MAY NOT VARY BY MORE THAN 0.02[.001] WITHIN ANY VIA.
3. CONTACT SAMTEC FOR CONNECTOR PRESS FIT INSTRUCTIONS AND REQUIRED FIXTURES.

TABLE 1

TABLE 1		
TIN (IMMERSION)	Cu	0.025-0.050 [.0010-.0020]
	Sn	0.001-0.002 [.00004-.00008]

TABLE 2

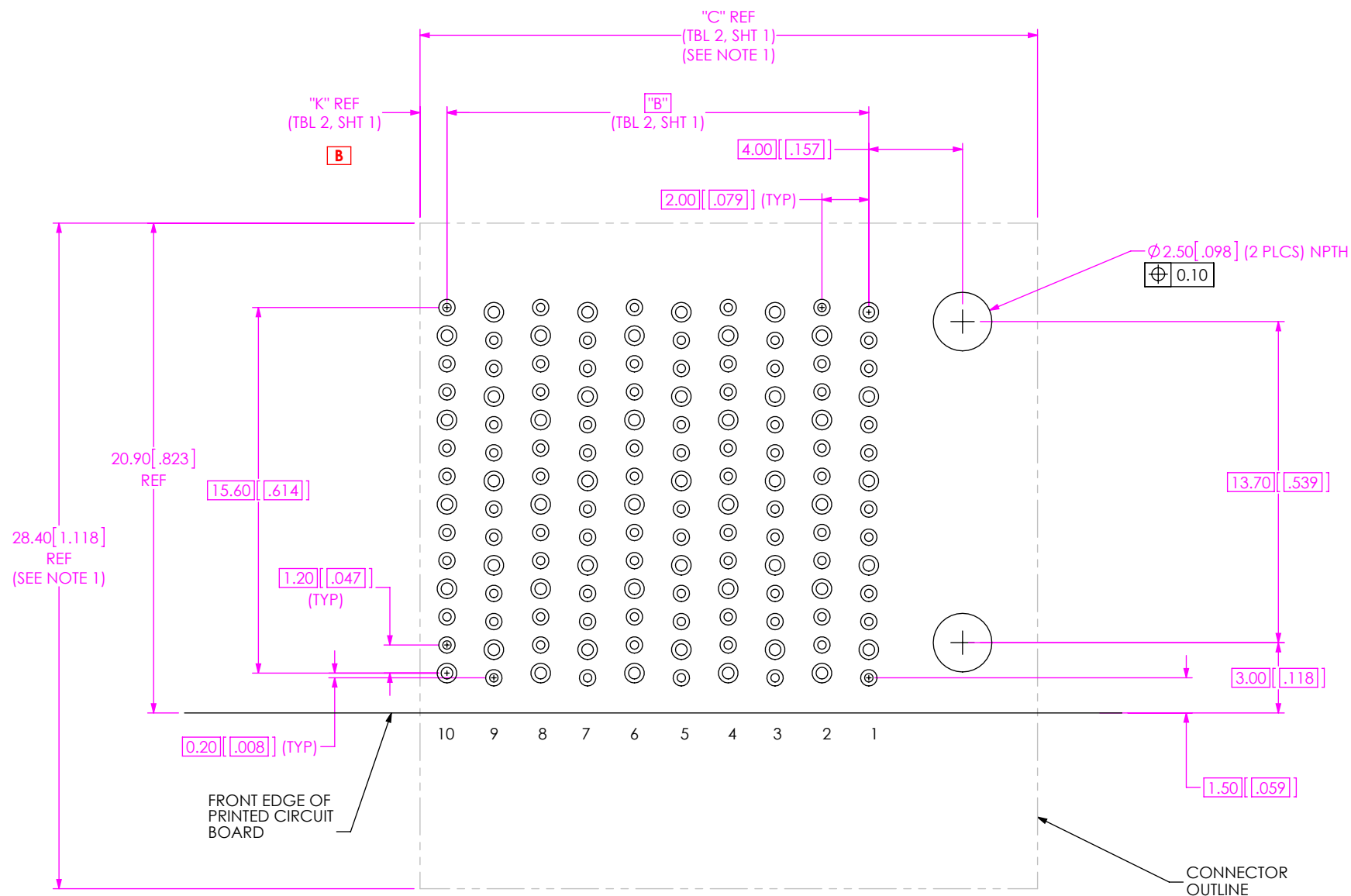
COLUMNS	"A" (THICK WALL) (STANDARD)	"A" (THIN WALL)	"B"	"C" (THICK WALL) (STANDARD)	"C" (THIN WALL)	"K" (THICK WALL) (STANDARD)	"K" (THIN WALL)	"L" (THICK WALL) (STANDARD)	"L" (THIN WALL)
-06	12.90 [0.508]	11.90 [0.469]	10.00 [0.394]	18.85 [0.742]	18.35 [0.722]	1.65 [0.065]	1.15 [0.045]	1.25 [0.049]	0.75 [0.030]
-08	16.90 [0.665]	15.90 [0.626]	14.00 [0.551]	22.85 [0.900]	22.35 [0.880]	1.65 [0.065]	1.15 [0.045]	1.25 [0.049]	0.75 [0.030]
-10	20.90 [0.823]	19.90 [0.783]	18.00 [0.709]	26.85 [1.057]	26.35 [1.037]	1.65 [0.065]	1.15 [0.045]	1.25 [0.049]	0.75 [0.030]

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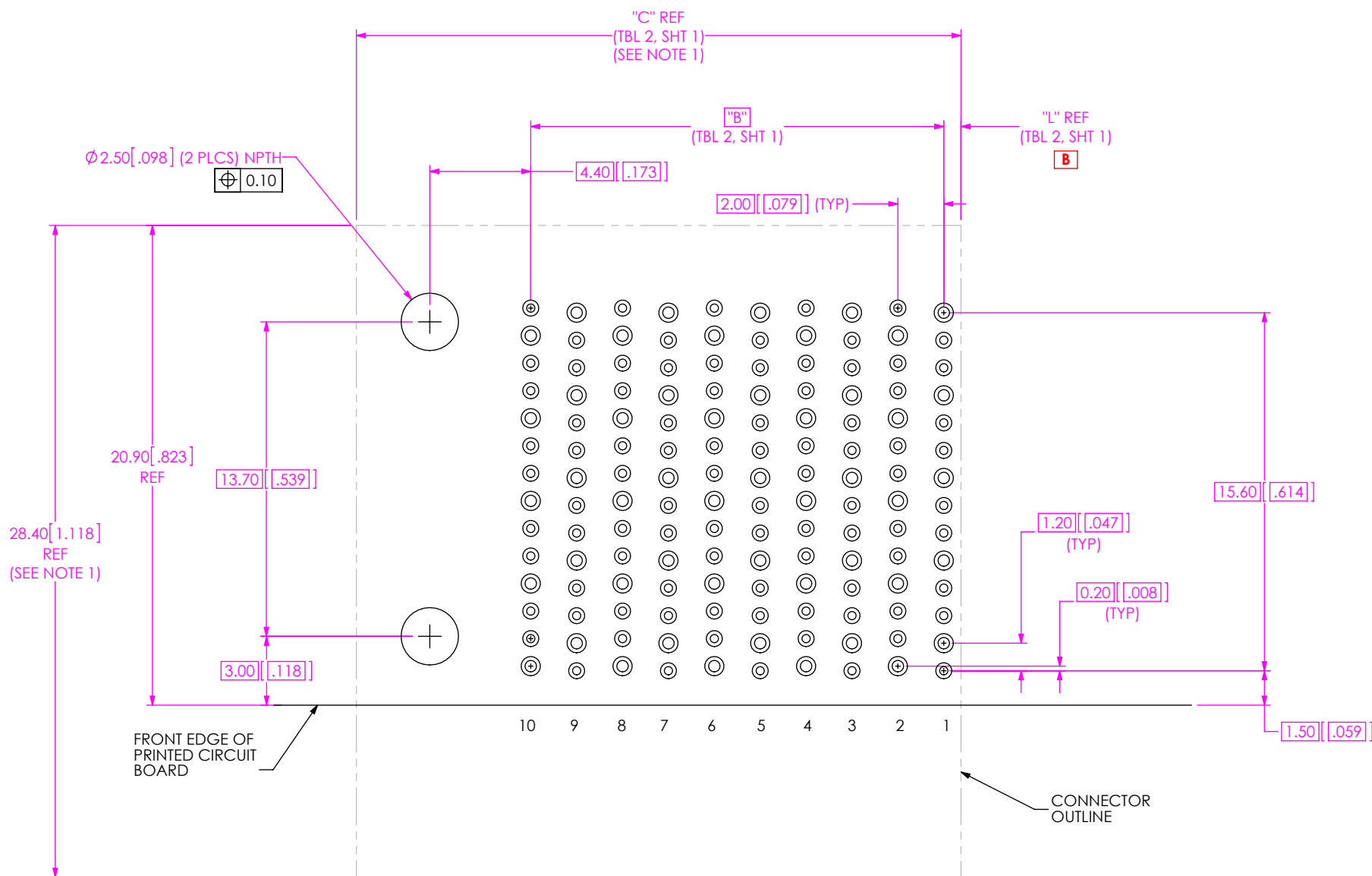
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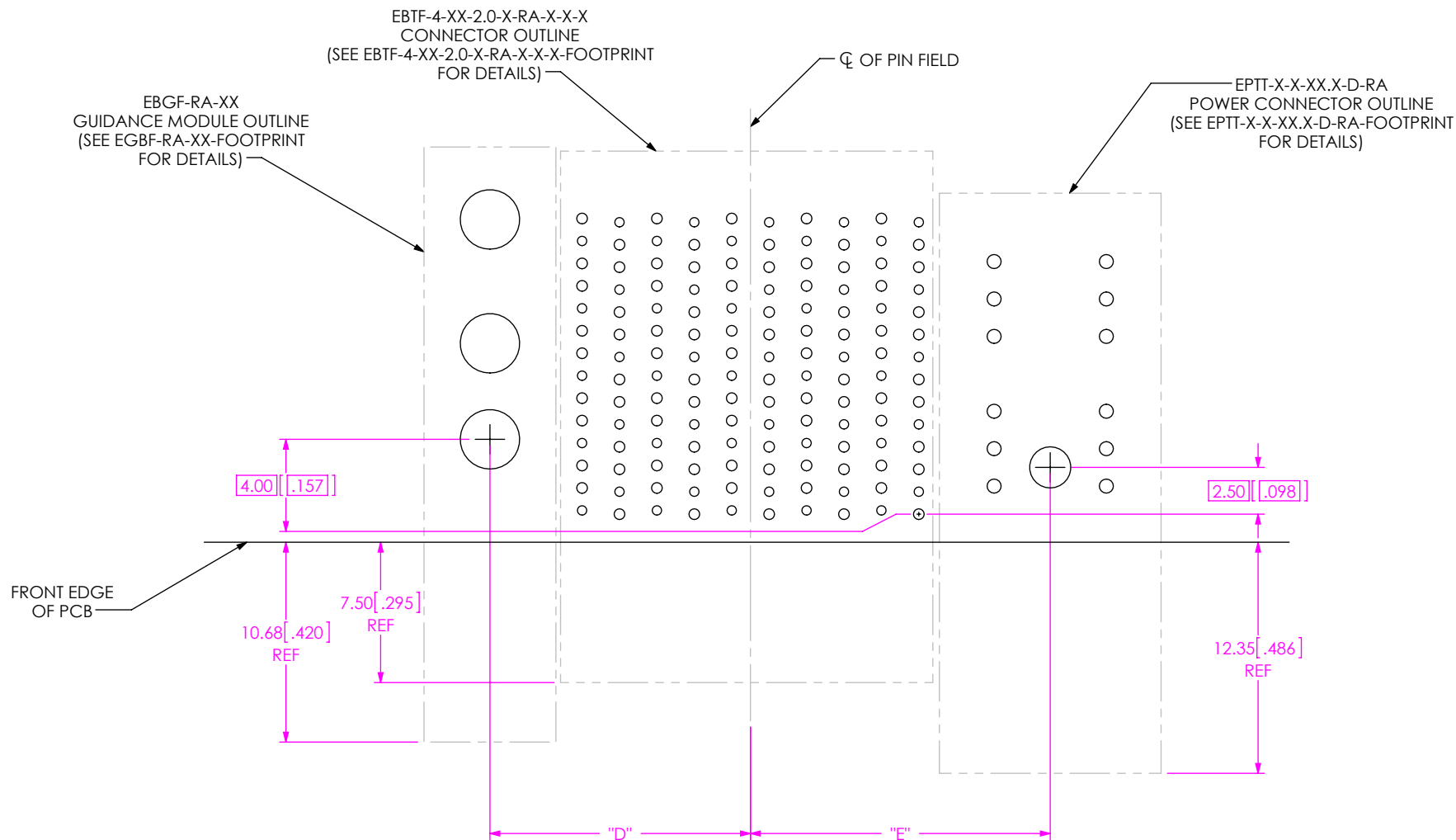


FIG 4
SIGNAL, POWER AND GUIDANCE COMBO
EGBF-RA-XX-FOOTPRINT, EPIT-X-X-XX.X-D-RA-FOOTPRINT
AND EBTf-4-10-2.0-X-RA-X-X-X-FOOTPRINT SHOWN

TABLE 3

COLUMNS	MATING EBTM WALL OPTION	"D"	"E"
-06	BLANK	5.925 [0.233]	8.025 [0.316]
	*-W	6.925 [0.273]	8.925 [0.351]
-08	BLANK	9.925 [0.391]	12.025 [0.473]
	*-W	10.925 [0.430]	12.925 [0.509]
-10	BLANK	13.925 [0.548]	16.025 [0.631]
	*-W	14.925 [0.588]	16.925 [0.666]

(*=NOT TOOLED)

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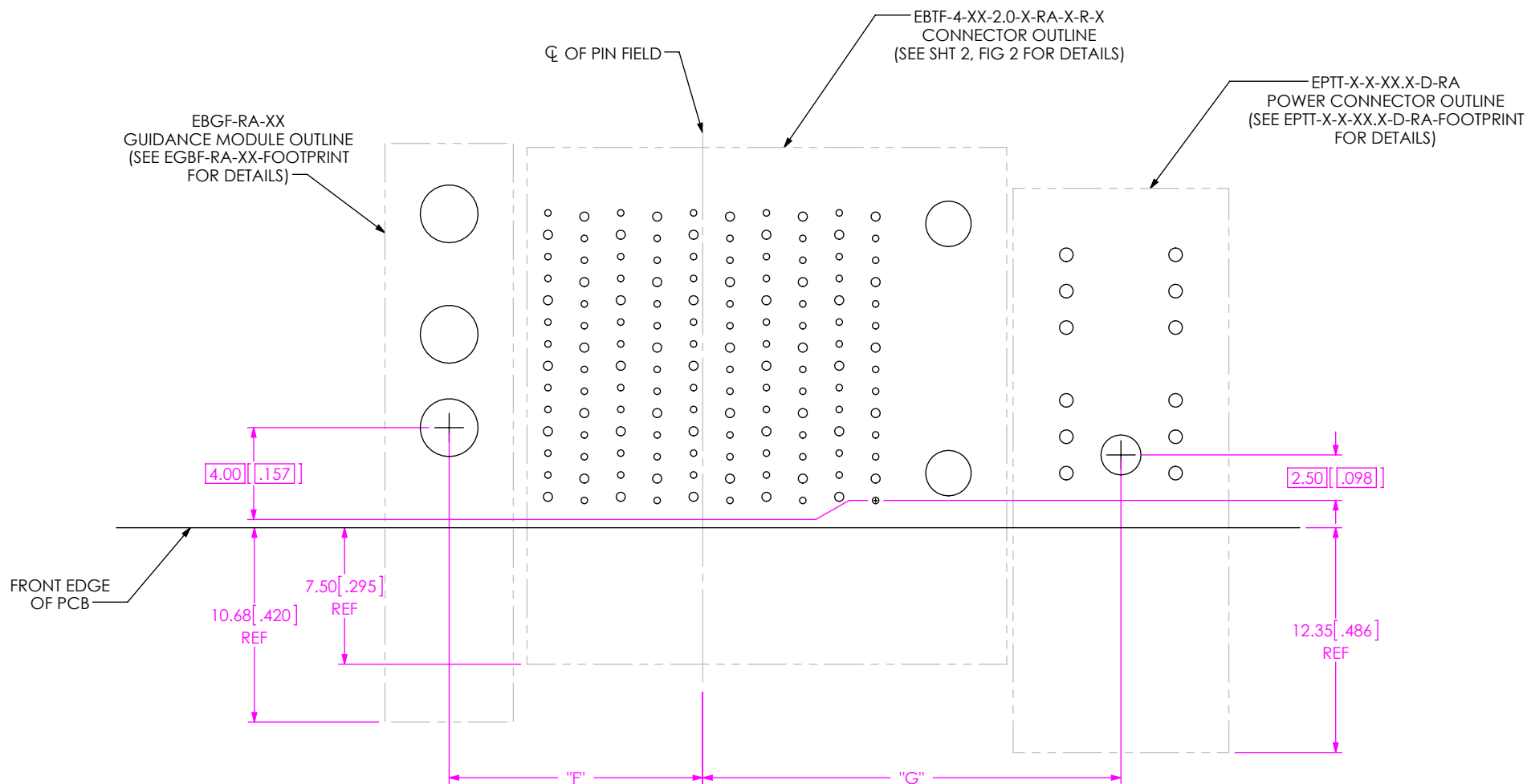


FIG 5
SIGNAL, POWER, INTERNAL (-R) AND EXTERNAL GUIDANCE COMBO
EBGf-RA-XX-FOOTPRINT, EPTT-X-X-XX.X-D-RA-FOOTPRINT
AND *EBTf-4-10-2.0-X-RA-X-R-X-FOOTPRINT SHOWN
(* = NOT ENGINEERING APPROVED)

TABLE 4

COLUMNS	MATING EBTM WALL OPTION	"F"	"G"
-06	BLANK	5.925 [0.233]	14.475 [0.570]
	*-W	6.925 [0.273]	15.375 [0.605]
-08	BLANK	9.925 [0.391]	18.475 [0.727]
	*-W	10.925 [0.430]	19.375 [0.763]
-10	BLANK	13.925 [0.548]	22.475 [0.885]
	*-W	14.925 [0.588]	23.375 [0.920]

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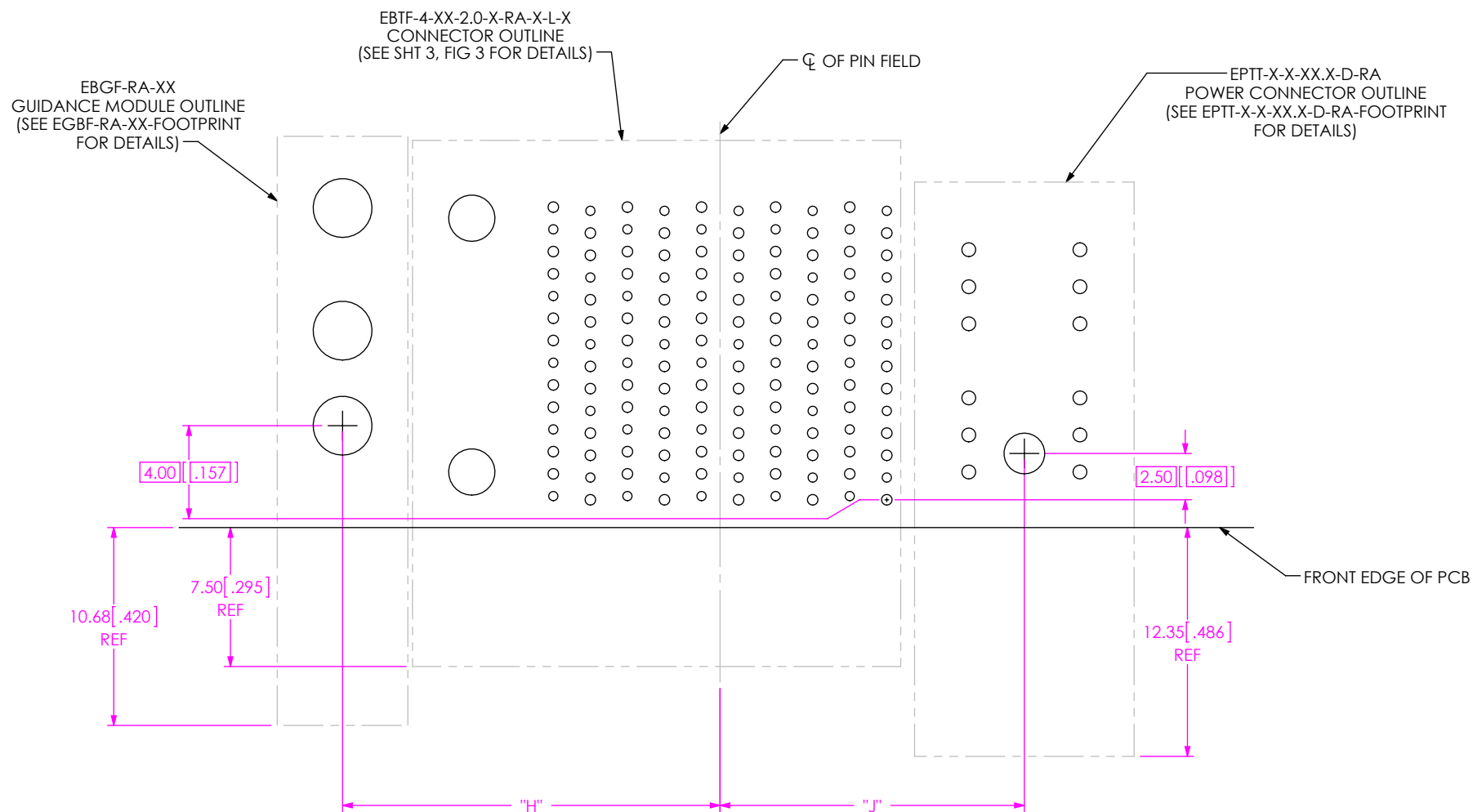


FIG 6
SIGNAL, POWER, INTERNAL (-L) AND EXTERNAL GUIDANCE COMBO
EGBF-RA-XX-FOOTPRINT, EPTT-X-X-XX.X-D-RA-FOOTPRINT
AND *EBTF-4-10-2.0-X-RA-X-L-X-FOOTPRINT SHOWN
(* = NOT ENGINEERING APPROVED)

TABLE 5

COLUMNS	MATING EBTM WALL OPTION	"H"	"J"
-06	BLANK	12.375 [0.487]	8.025 [0.316]
	*-W	13.375 [0.527]	8.925 [0.351]
-08	BLANK	16.375 [0.645]	12.025 [0.473]
	*-W	17.375 [0.684]	12.925 [0.509]
-10	BLANK	20.375 [0.802]	16.025 [0.631]
	*-W	21.375 [0.842]	16.925 [0.666]

(* = NOT TOOLED)

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