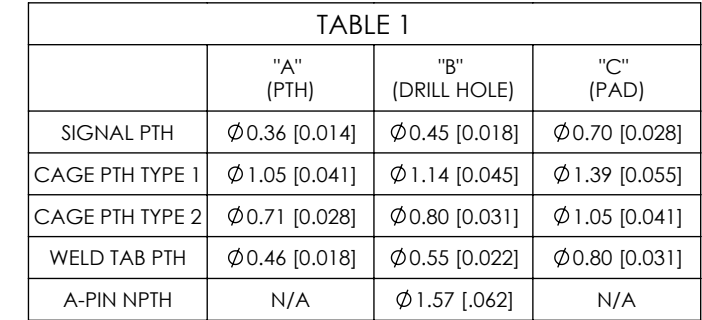


A	CK	J SUTTER
12/29/2025	ECN-25-44039-1	

**DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]**



VIA DETAIL
SEE TABLE 1
SCALE 25 : 1



μm(μin) PLATING	MIN	MAX
Sn	2.5 (98)	20.0 (787)
Cu	25.4 (1000)	63.5 (2500)

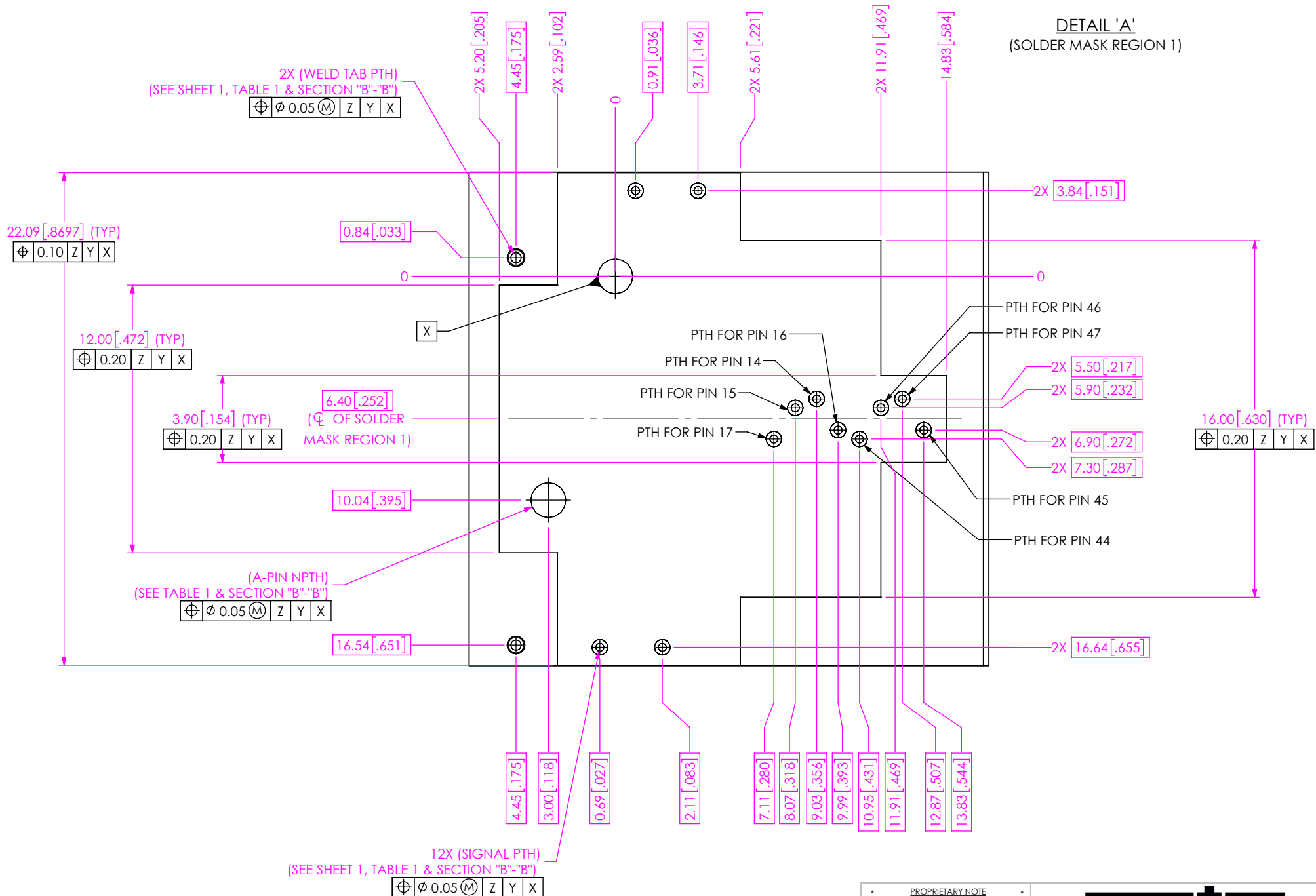
TABLE 3	
	TOTAL COMBINED HOLE QTY.
SIGNAL PTH	24
CAGE PTH TYPE 1	24
CAGE PTH TYPE 2	12
WELD TAB PTH	4
A-PIN NPTH	4

1. BELLY-TO-BELLY PCB's REQUIRE A THICKNESS OF AT LEAST 2.10mm.
DUE TO SAMTEC COMPONENTS. TRANCEIVERS MAY DICTATE A THICKER BELLY TO BELLY PCB.
2. TRACES AND COMPONENTS IN KEEP OUT AREA MUST BE UNDER 4.30mm TALL.
3. ALL BELLY-TO-BELLY THRU HOLES ARE BASICALLY LOCATED FROM TOP SIDE OF PCB.
4. ALL DIMENSIONS APPLY TO TOP OF PCB UNLESS OTHERWISE SPECIFIED.
5. ALL BELLY-TO-BELLY FOOTPRINTS ARE SAME AS STANDARD FOOTPRINTS EXCEPT AS SHOWN.
6. DATUM S & U ARE INDIVIDUALLY RE-ESTABLISHED PER PORT POSITION ON MULTI-PORT CAGES.



SHEET 1 OF 12

DETAIL 'A'
(SOLDER MASK REGION 1)



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TABLE 4

	TOTAL COMBINED HOLE QTY. FOR B1B FOOTPRINT
SIGNAL PTH	24
CAGE PTH TYPE 1	32
CAGE PTH TYPE 2	16
WELD TAB PTH	4
A-PIN NPTH	4

16X (CAGE PTH TYPE1)
(SEE SHEET 1, TABLE 1 & SECTION "B"- "B")

⊕ ∅ 0.05 (M) Z Y V

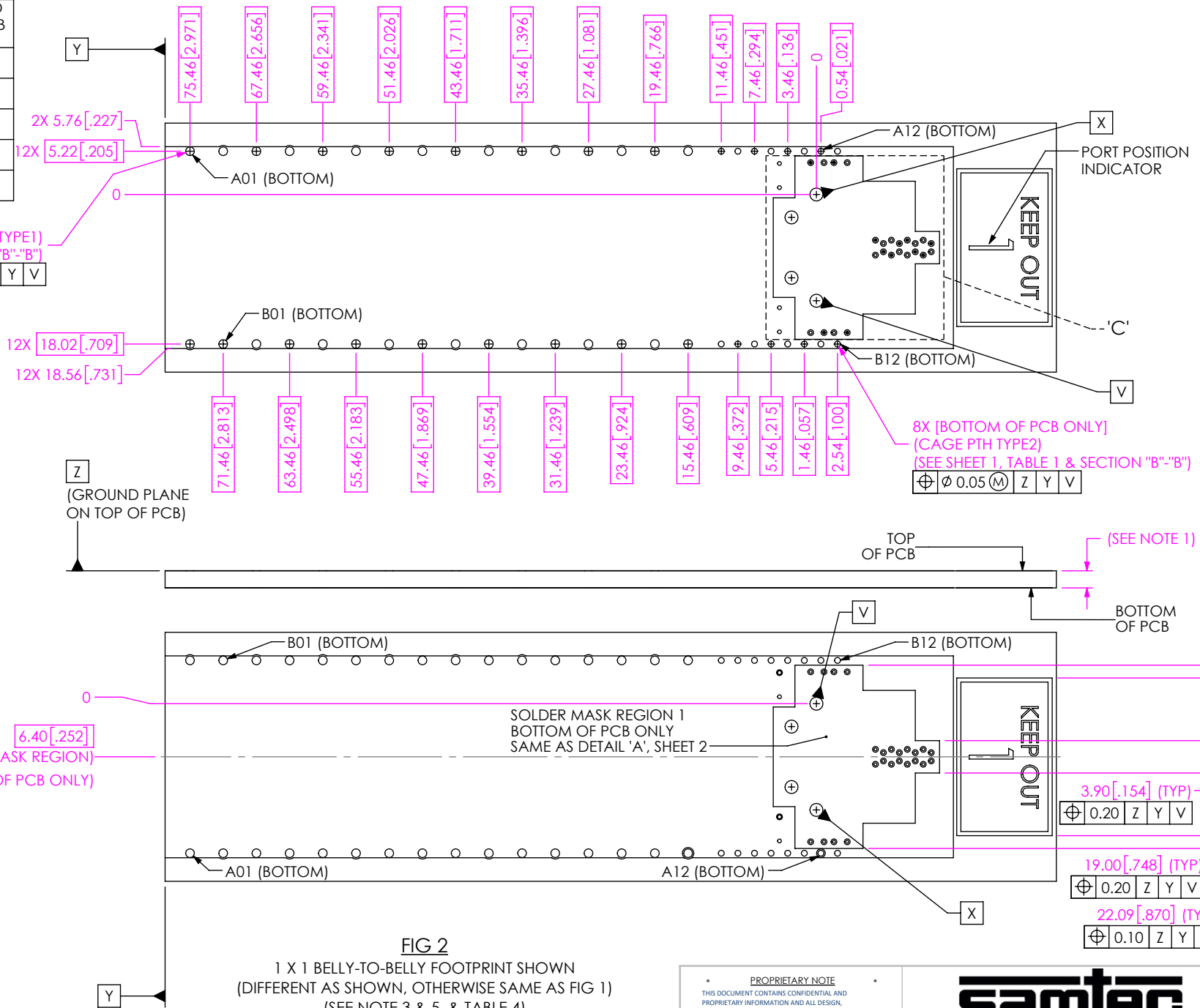


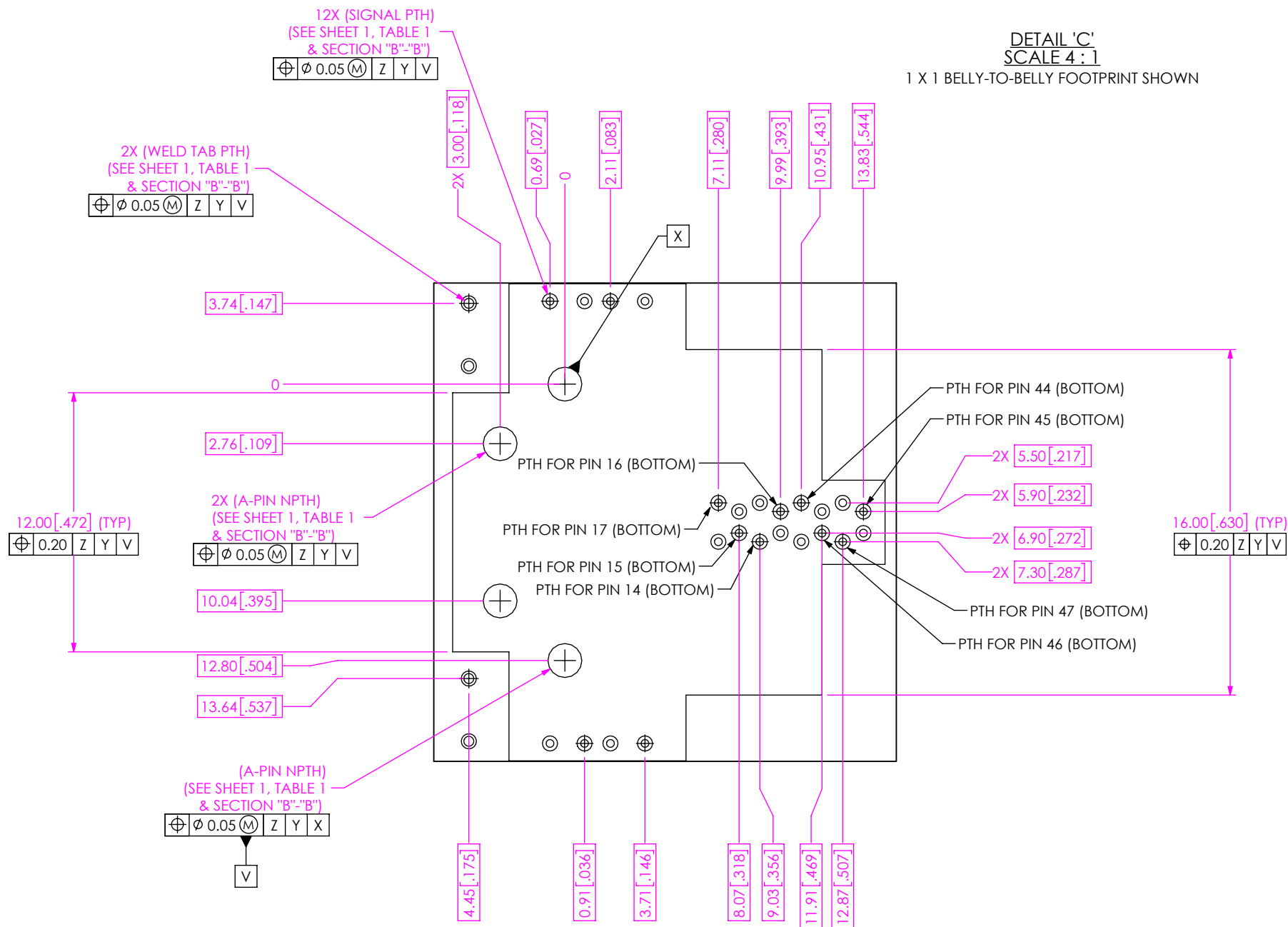
FIG 2

1 X 1 BELLY-TO-BELLY FOOTPRINT SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(SEE NOTE 3 & 5, & TABLE 4)

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DETAIL 'C'
SCALE 4 : 1
1 X 1 BELLY-TO-BELLY FOOTPRINT SHOWN



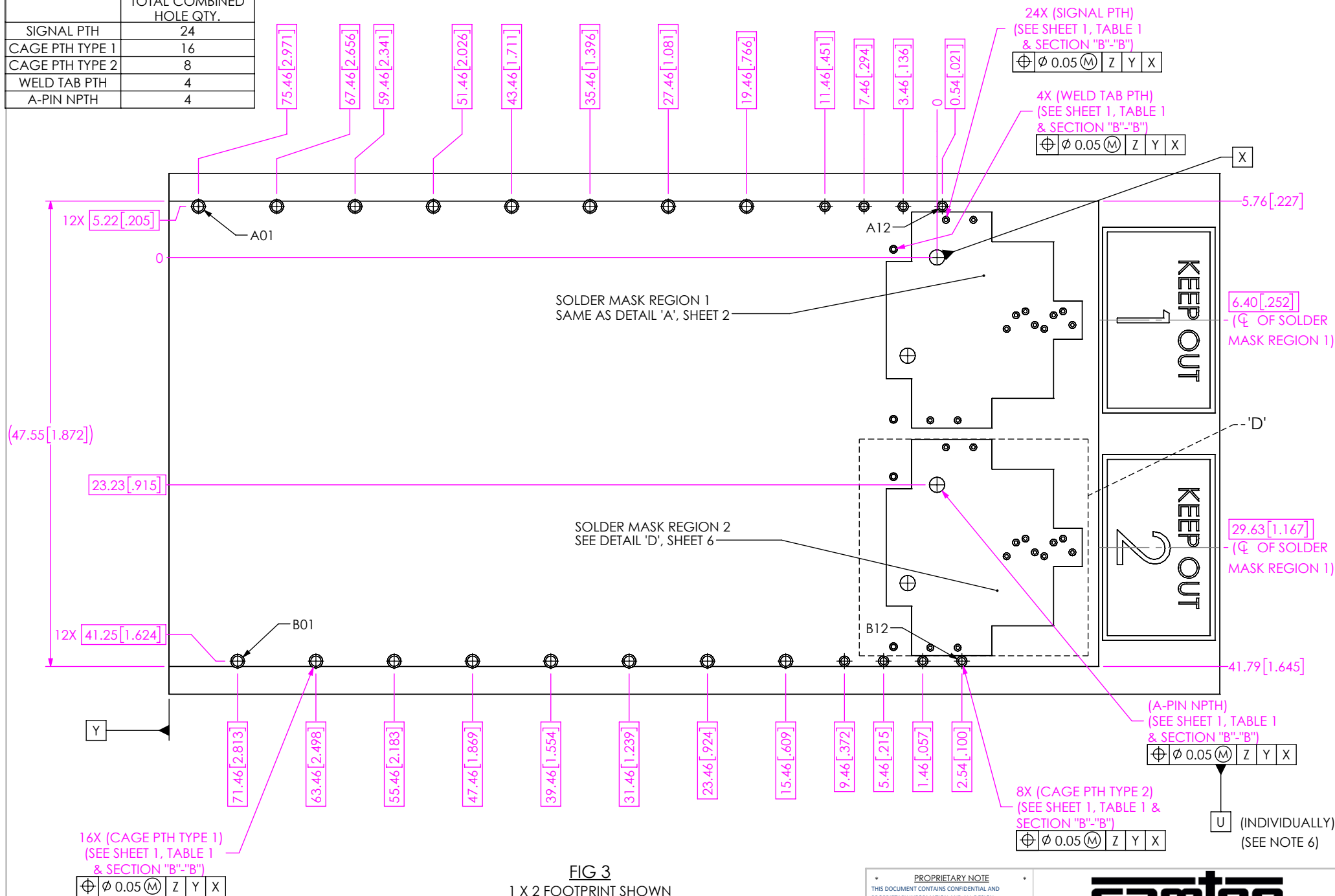
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TABLE 5

	TOTAL COMBINED HOLE QTY.
SIGNAL PTH	24
CAGE PTH TYPE 1	16
CAGE PTH TYPE 2	8
WELD TAB PTH	4
A-PIN NPTH	4

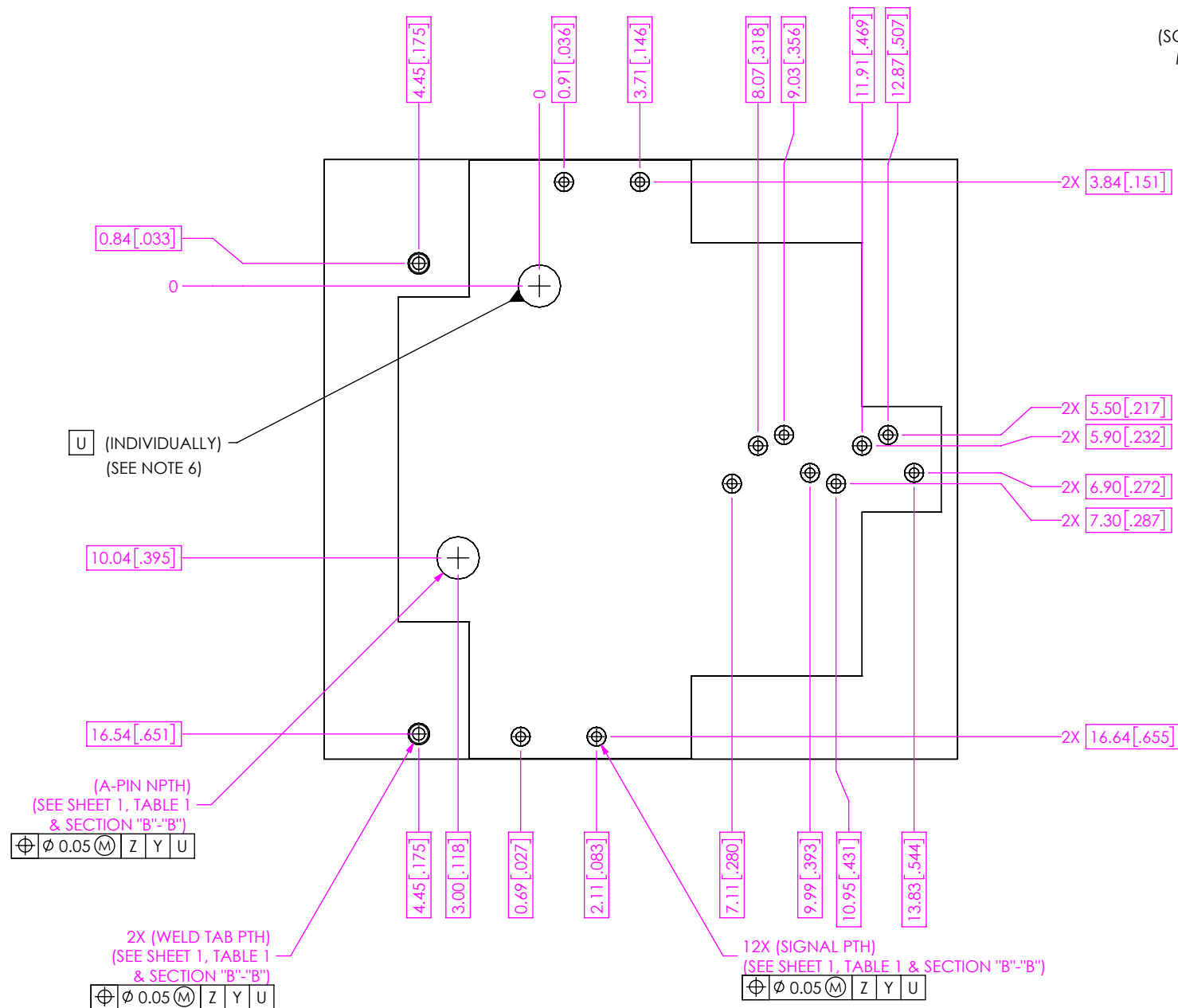


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DETAIL 'D'
(SOLDER MASK REGION FOR
MULTI-PORT FOOTPRINTS)



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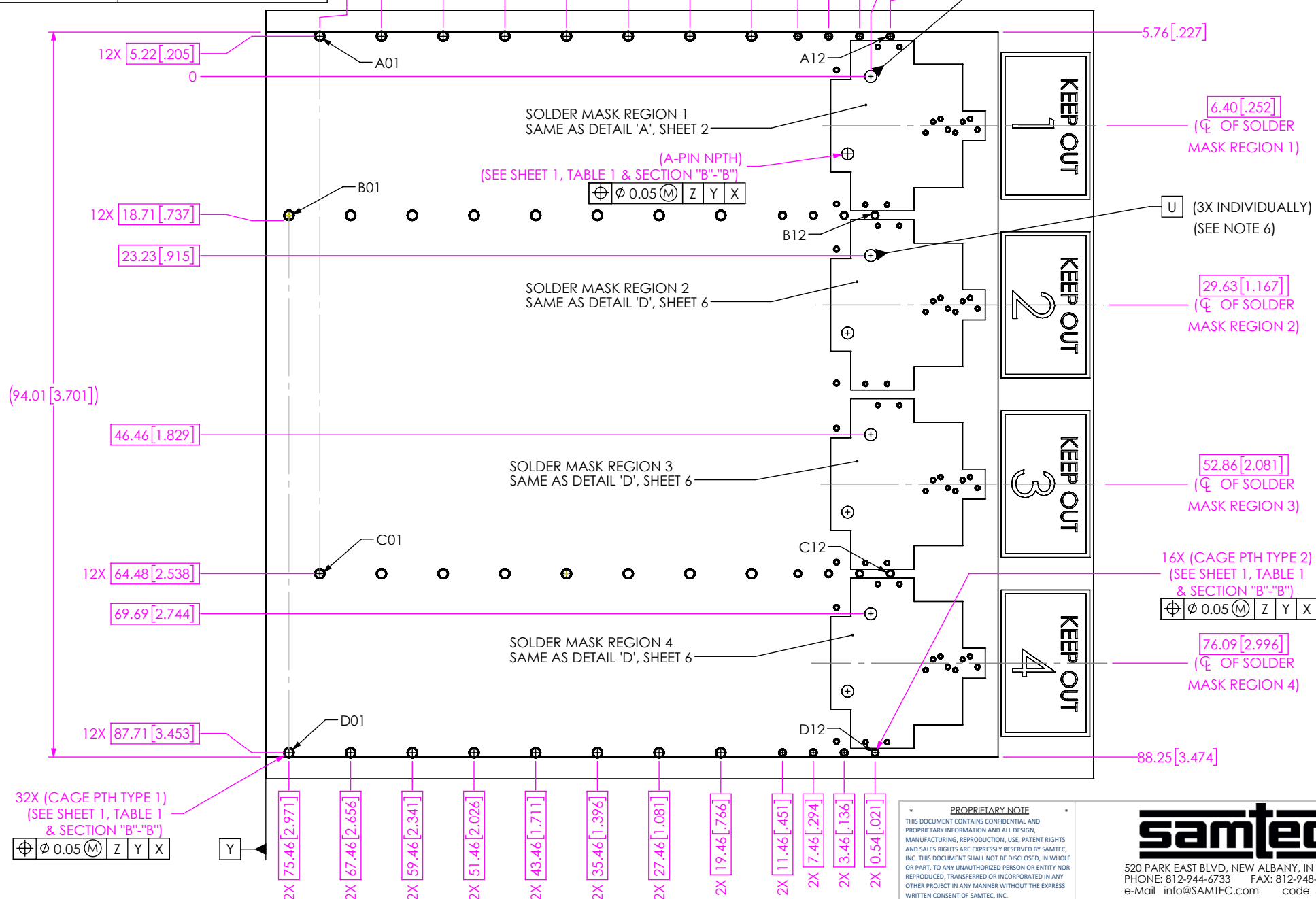
TABLE 6

TOTAL COMBINED HOLE QTY.

SIGNAL PTH	48
CAGE PTH TYPE 1	32
CAGE PTH TYPE 2	16
WELD TAB PTH	8
A-PIN NPTH	8

FIG 4

1 X 4 FOOTPRINT SHOWN
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1 & 3)
(SEE TABLE 6)



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REVISION A

RECOMMENDED PCB LAYOUT FOR FOSFP-X-XX-XX.X-XX

TABLE 7

	TOTAL COMBINED HOLE QTY.
SIGNAL PTH	72
CAGE PTH TYPE 1	48
CAGE PTH TYPE 2	24
WELD TAB PTH	12
A-PIN NPTH	12

FIG 5

1 X 6 FOOTPRINT SHOWN
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1 & 3)
(SEE TABLE 7)

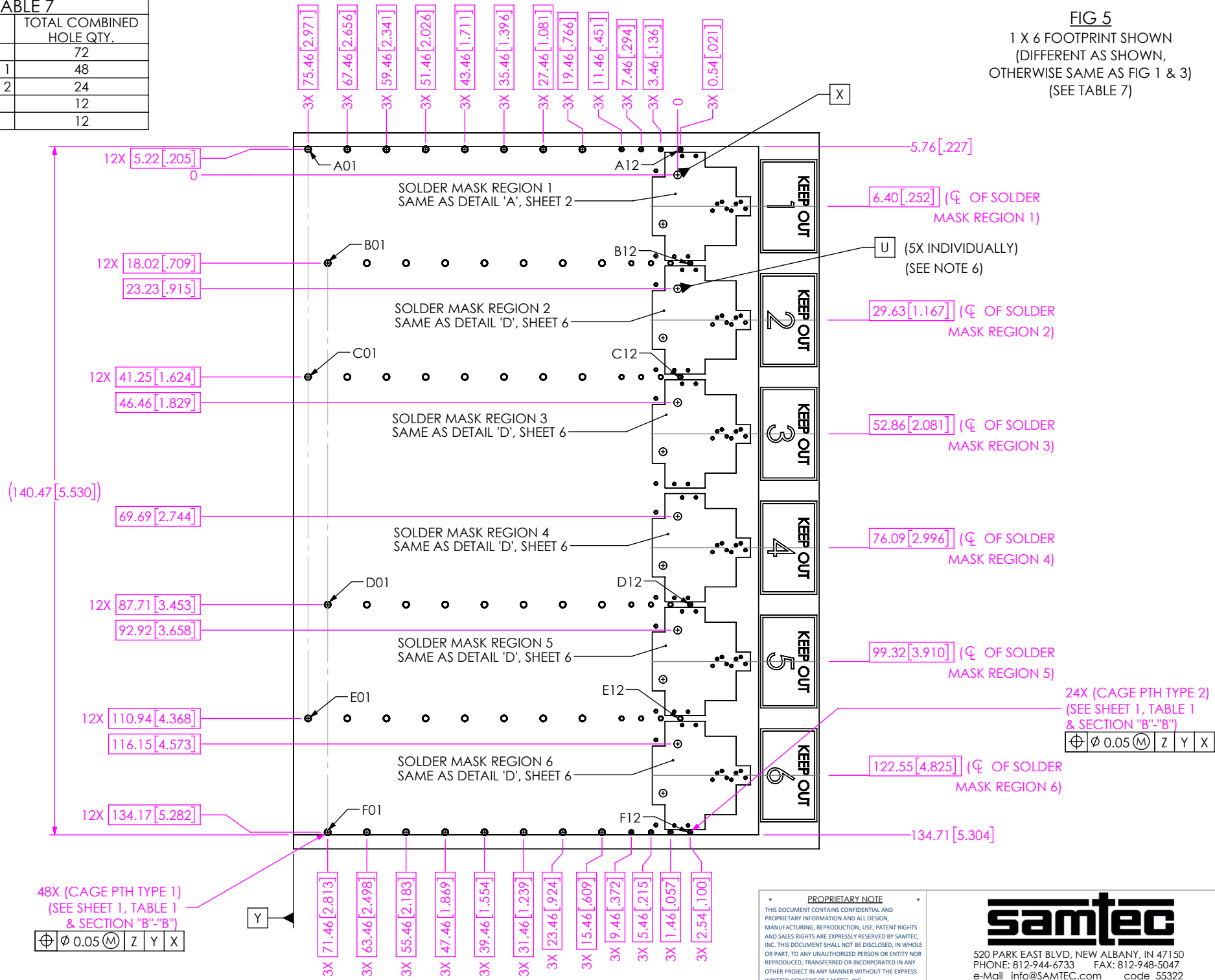
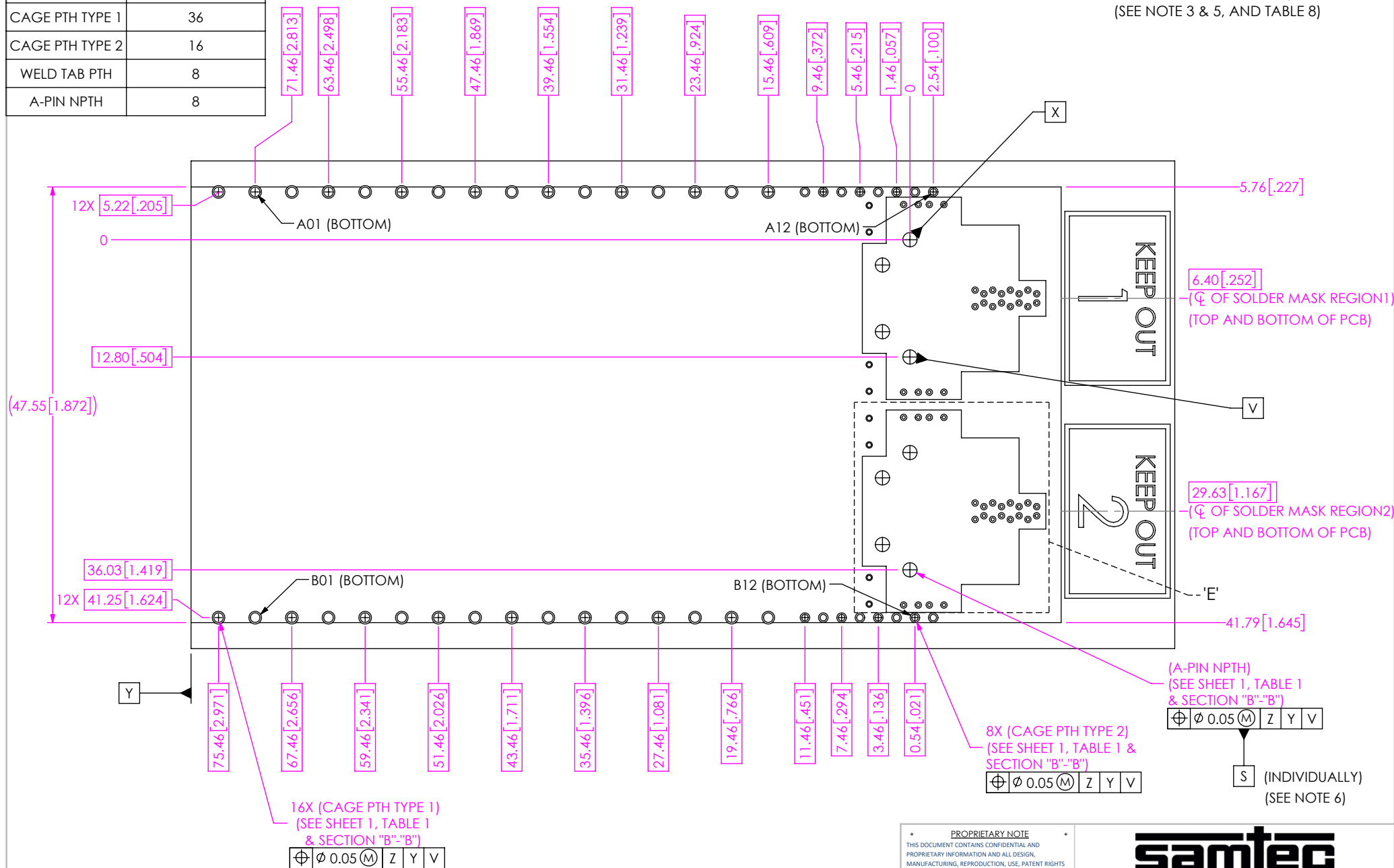


TABLE 8

	TOTAL COMBINED HOLE QTY. FOR BtB FOOTPRINT
SIGNAL PTH	48
CAGE PTH TYPE 1	36
CAGE PTH TYPE 2	16
WELD TAB PTH	8
A-PIN NPTH	8

FIG 6

1 X 2 BELLY-TO-BELLY FOOTPRINT SHOWN
(DIFFERENT AS SHOWN, OTHERWISE
SAME AS FIG 1, 2, & 3)
(SEE NOTE 3 & 5, AND TABLE 8)



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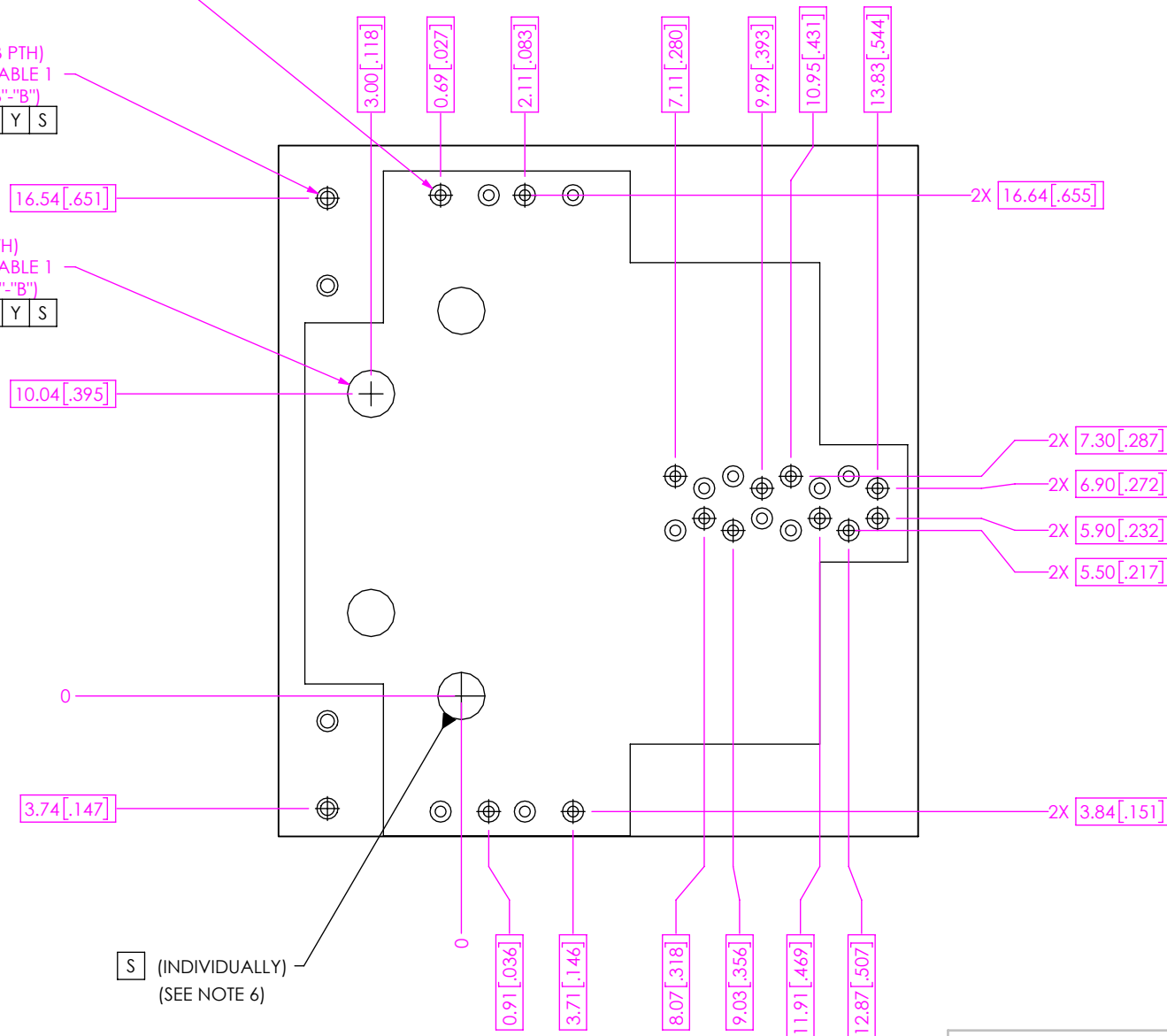
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(SOLDER MASK REGION FOR MULTI-PORT FOOTPRINTS
ON BOTTOM SIDE OF PCB)

$\oplus$	$\phi 0.05$	(M)	Z	Y	S
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	$\varnothing 0.05$	(M)	Z	Y	S
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	$\varnothing 0.05$	(M)	Z	Y	S
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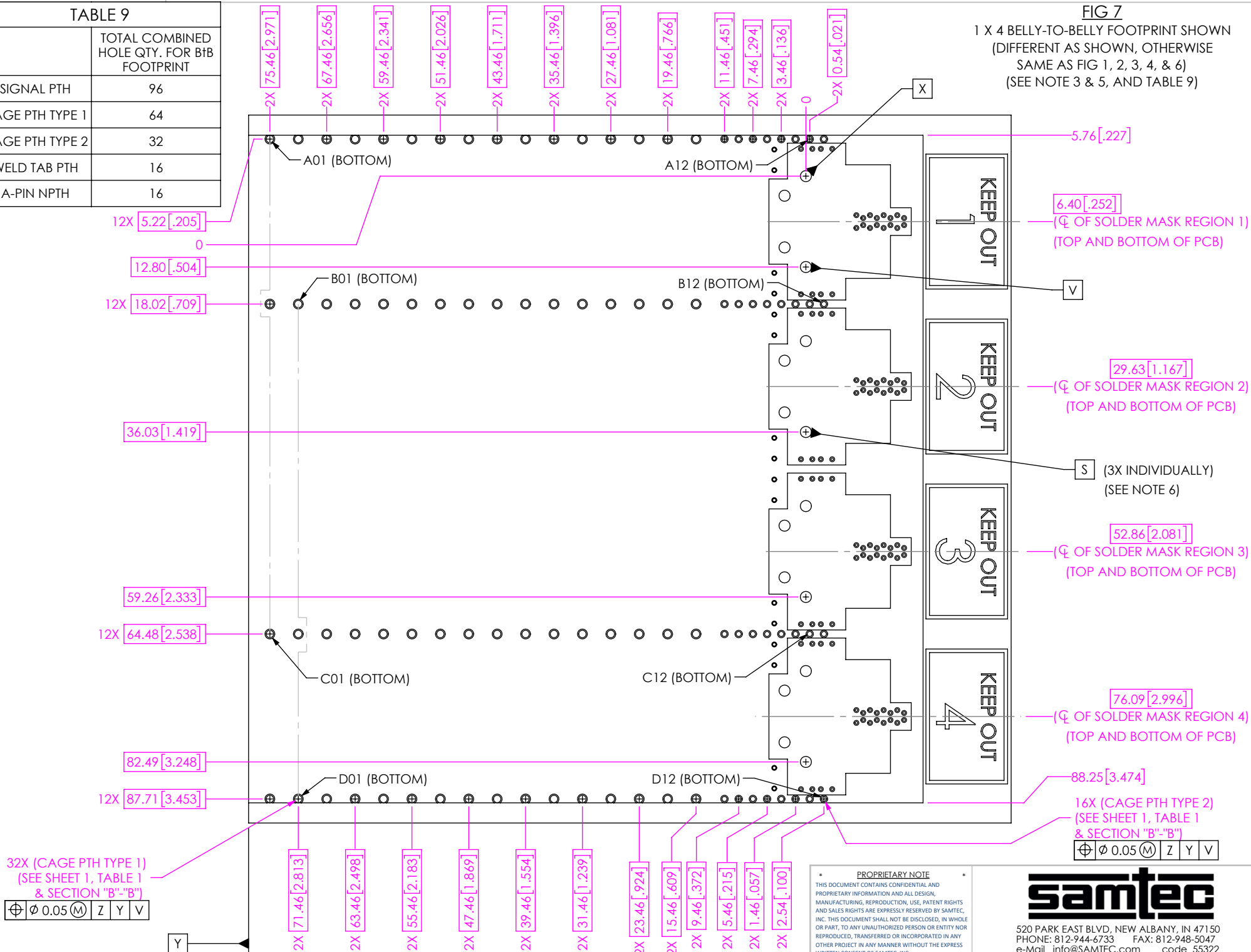
TABLE 9

TOTAL COMBINED
HOLE QTY. FOR BtB
FOOTPRINT

SIGNAL PTH	96
CAGE PTH TYPE 1	64
CAGE PTH TYPE 2	32
WELD TAB PTH	16
A-PIN NPTH	16

FIG 7

1 X 4 BELLY-TO-BELLY FOOTPRINT SHOWN
(DIFFERENT AS SHOWN, OTHERWISE
SAME AS FIG 1, 2, 3, 4, & 6)
(SEE NOTE 3 & 5, AND TABLE 9)



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REVISION A

RECOMMENDED PCB LAYOUT FOR FOSFP-X-XX-XX.X-XX

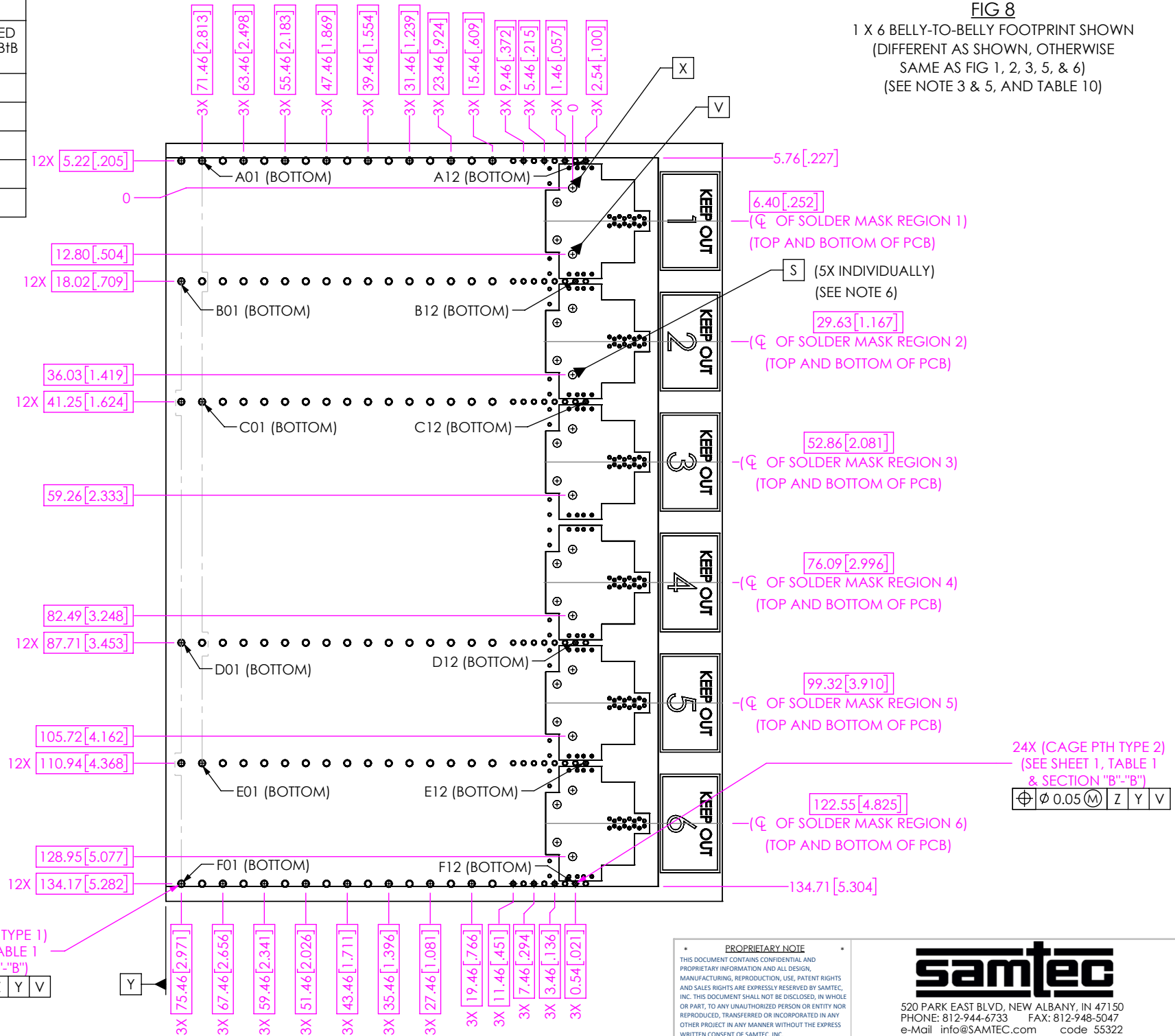
TABLE 10

	TOTAL COMBINED HOLE QTY. FOR BtB FOOTPRINT
SIGNAL PTH	144
CAGE PTH TYPE 1	96
CAGE PTH TYPE 2	48
WELD TAB PTH	24
A-PIN NPTH	24

FIG 8

1 X 6 BELLY-TO-BELLY FOOTPRINT SHOWN
(DIFFERENT AS SHOWN, OTHERWISE
SAME AS FIG 1, 2, 3, 5, & 6)
(SEE NOTE 3 & 5, AND TABLE 10)

48X (CAGE PTH TYPE 1)
(SEE SHEET 1, TABLE 1
& SECTION "B"- "B")



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