REVISION M

RECOMMENDED PCB LAYOUT FOR QSH-XXX-01-X-D-XXX

6/2/2020 ECN-385544

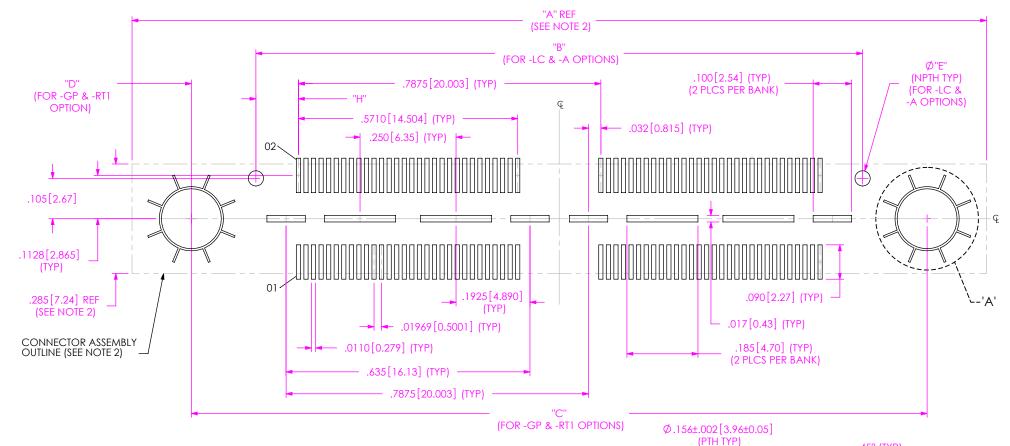


FIG 1 FOOTPRINT FOR QSH-060-01-X-D-XXX SHOWN

1. ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE.
2. CONNECTOR ENVELOPE DIMENSIONS, OTHER COMPONENTS PLACED ON PCB SHALL AVOID THIS ZONE.

"A"

3. FOR -SD/-DS OPTIONS, PLEASE REFER TO THE "XQXX WITH SCREW-DOWN OPTIONS" APPLICATION DRAWING.

5	TABLE 2		
	OPTION	"D"	
	-GP	.221 [5.61]	
	-RT1	.279 [7.08]	

	TABLE 3		
	OPTION	"E"	
	-LC	.047 [1.19]	
	-A	.040 [1.02]	

 $\emptyset.145[3.68]$

(NPTH TYP)

	TAE	TABLE 3	
'	OPTION	"E"	
5.61]	-LC	.047 [1.19]	
7.08]	-A	.040 [1.02]	

TABLE 1 "B" "C" "H" -LC & -A -GP -RT1 .793 [20.13] 1.013 [25.73] 1.129 [28.68] .1118 [2.84]

No OF POS -LC & -A -FL -GP -RT1 .839 [21.31] 1.216 [30.89] -030 .803 [20.38] 1.438 [36.53] 1.627 [41.31] 1.590 [40.39] 2.004 [50.89] 2.226 [56.53] 1.580 [40.13] 1.801 [45.73] 1.917 [48.68] .1108 [2.81] -060 -090 2.417 [61.38] 2.378 [60.39] 2.791 [70.89] 3.013 [76.53] 2.368 [60.13] 2.588 [65.74] 2.704 [68.68] .1108 [2.81] -120 3.204 [81.38] 3.579 [90.89] N/A 3.155 [80.14] 3.376 [85.74] 1108 [2.81] 3.165 [80.39] N/A -150 3.991 [101.37] 3.953 [100.39] 4.366 [110.90] N/A 3.943 [100.14] 4.163 [105.74] N/A .1108 [2.81]

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(TO BE SOLDERED USING

PASTE-IN-HOLE TECHNOLOGY)

 $\emptyset.167[4.24]$

(TYP)

.005[0.13]



-RT1 OPTION:

DETAIL 'A'

e-Mail info@SAMTEC.com

 $\emptyset.244[6.20]$ (TYP)

REVISION M RECOMMENDED STENCIL LAYOUT FOR QSH-XXX-01-X-D-XXX NOTES: 1. STENCIL TO BE .0060[.152] THICK.

.7875 [20.003] (TYP) (FOR -RT1 ONLY) .100[2.54] (TYP) (2 PLCS PER BANK) - .5710[14.504] (TYP) -.032[0.81] .032[0.81] (TYP) .2256 [5.730] (TYP) .250[6.35] (TYP) .1128[2.865] .1925 [4.890] --'B' .090[2.27] (TYP) └ .017[0.43] (TYP) .0197 [0.500] (TYP) .0110[0.279] (TYP) .185[4.70] (TYP) (2 PLCS PER BANK) .635[16.13] (TYP) .7875[20.003] (TYP) (-RT1 OPTION ONLY) (SEE TABLE 1, SHT 1) $\emptyset.250[6.35]$ (TYP) FIG 2 STENCIL FOR QSH-060-01-X-D-XXX SHOWN .025[0.64] (TYP) $\emptyset.125[3.18]$ (TYP) **PROPRIETARY NOTE** THIS DOCUMENT CONTAINS INFORMATION -RT1 OPTION ONLY: CONFIDENTIAL AND PROPRIETARY TO DETAIL 'B' SCALE 5 : 1 SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS

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SHEET 2 OF 4

RECOMMENDED PCB LAYOUT FOR QSH-XXX-01-X-D-XXX

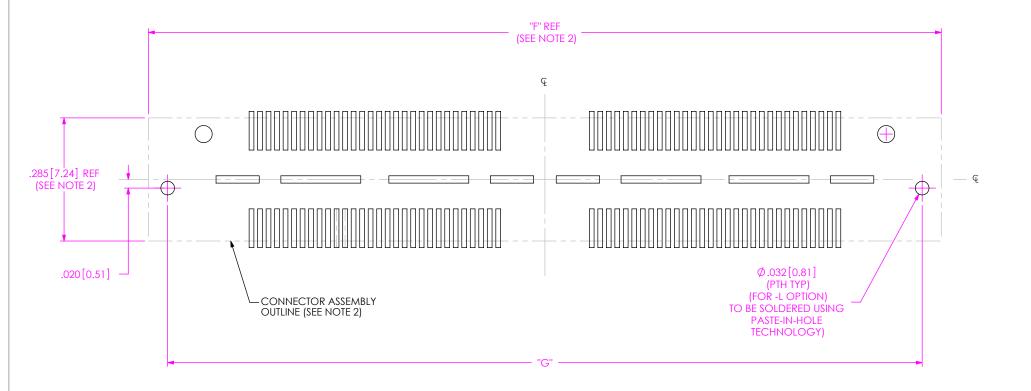


FIG 3
-L OPTION
FOOTPRINT FOR QSH-060-01-X-D-A-L SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)

	TABLE 4		
No OF POS	"F"	"G"	
-030	1.048 [26.62]	.959 [24.36]	
-060	1.836 [46.62]	1.747 [44.36]	
-090	2.623 [66.62]	2.534 [64.36]	
-120	3.411 [86.63]	3.322 [84.37]	
150	4.198 [106.63]	4.109 [104.37]	

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520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322 NOTES: 1. STENCIL TO BE .0060[.152] THICK

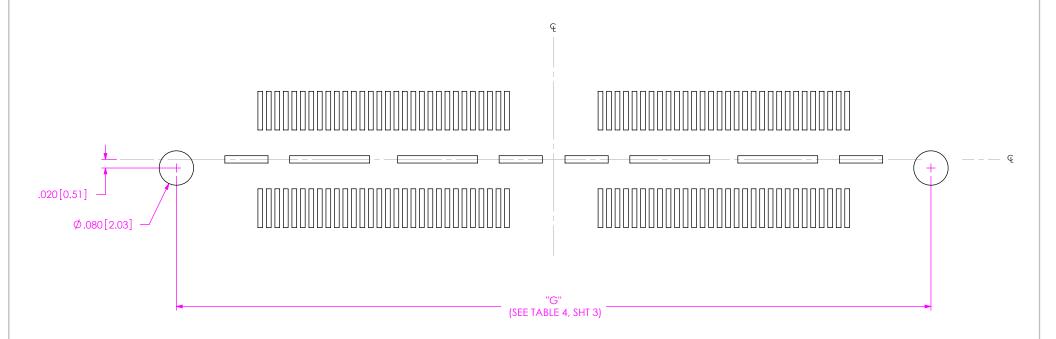


FIG 4
-L OPTION
STENCIL FOR QSH-060-01-X-D-A-L SHOWN
(SAME AS FIG 2, EXCEPT AS SHOWN)

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