

-----Original Message-----

From: Richard Cornell [<mailto:Richard.Cornell@samtec.com>]

Sent: Friday, November 07, 2008 1:13 PM

To: CustEN

Subject: Samtec Engineering Change Notification - Drawings Attached

<<Cad.zip>>

ECN Number: 99619

Part #: QSH-XXX-01-X-D-XXX

Date of Change: 11/03/08

ECN Changes:

END VIEW, UNDER C-126-21-X AND LEADER, ADD *SEE NOTE 12. ADD NOTE 12:

FOR

-120, -150 POSITIONS USE C-269-01-X. DO NOT SUB C-126. PLATING OPTIONS,
CHANGE C-126-21-X TO C-126-21-X * SEE NOTE 12;-C PLATING, CHG -L GROUND
PLANE TO -G.

PROPRIETARY NOTE:

The enclosed documents contain information confidential and proprietary
to

Samtec, Inc. and shall not be reproduced or transferred to other
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or disclosed to others without the expressed written consent of Samtec,
Inc.

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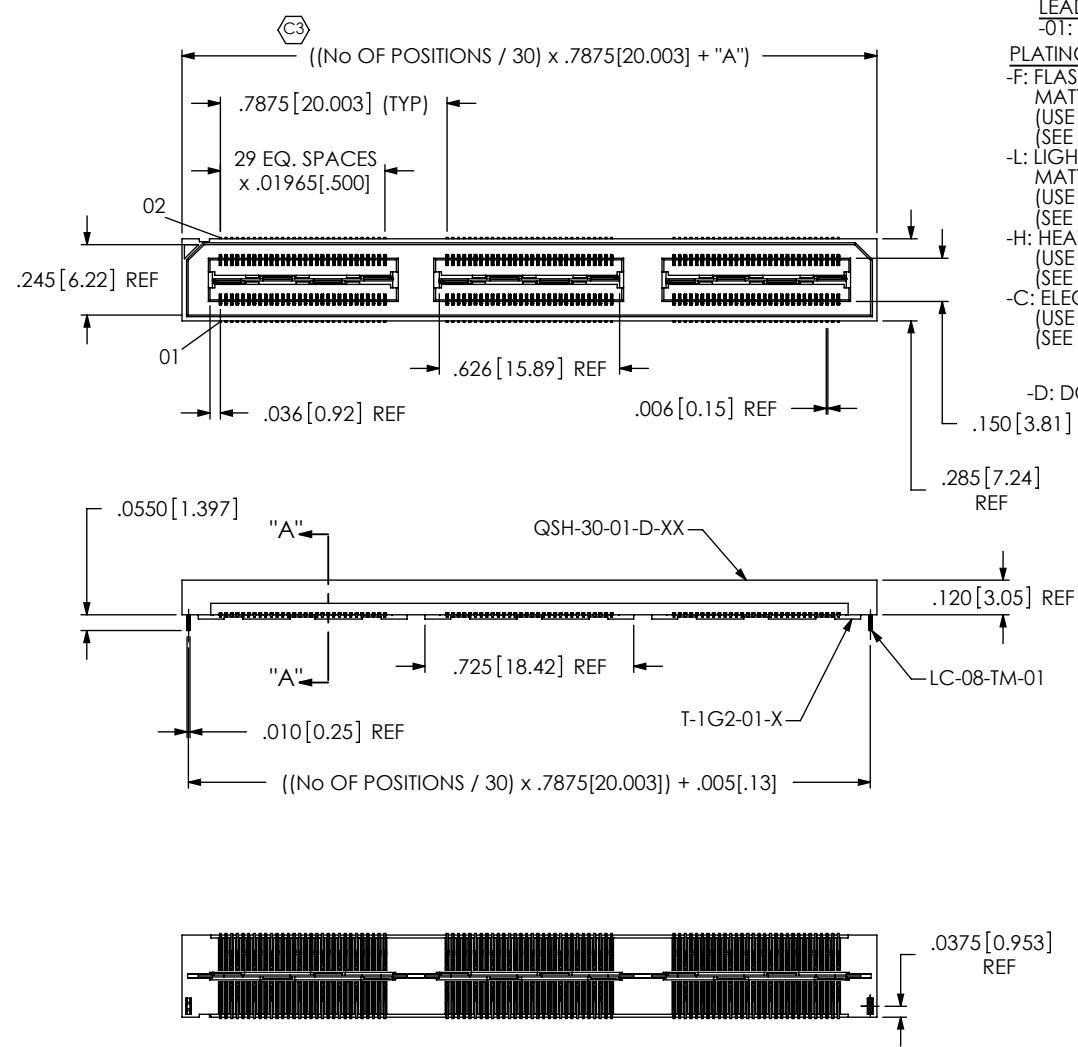
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<PART NAME="QSH-30-01-D-04-.CR" />
<PART NAME="QSH-30-01-D-04-A" />
<PART NAME="QSH-30-01-D-04-A-.CR" />
<PART NAME="QSH-30-01-D-04-A-FL" />
<PART NAME="QSH-30-01-D-04-A-GP" />
<PART NAME="QSH-30-01-D-04-GP" />
<PART NAME="QSH-30-01-D-05" />
<PART NAME="QSH-30-01-D-05-.CR" />
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<PART NAME="QSH-30-01-D-05-A-FL" />
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<PART NAME="QSH-30-01-D-05-GP" />
<PART NAME="QSH-30-01-D-EM2-01" />
<PART NAME="QSH-30-01-D-EM2-02" />
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<PART NAME="QSH-30-01-D-EM2-05" />
<PART NAME="QSH-30-01-D-EM3-01" />
<PART NAME="QSH-30-01-D-EM3-03" />
<PART NAME="QSH-30-01-D-EM3-05" />
<PART NAME="QSH-SAMPLE-BOARD" />
</SAMTEC_PCN_PARTS_AFFECTED>

FIG. 1

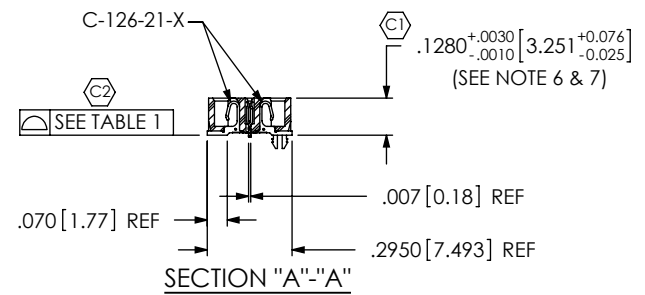
-LC: LOCKING CLIP OPTION SHOWN

DO NOT SCALE FROM THIS PRINT



QSH-XXX-01-X-D-XXX

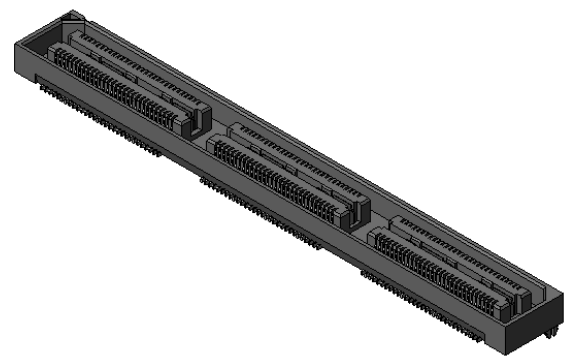
- No OF POSITIONS**
 - 030, -060, -090, *-120, *-150 (PER ROW)
 - *SEE NOTE 11
- LEAD STYLE**
 - 0T: .1280[3.25]
- PLATING SPECIFICATION**
 - F: FLASH SELECTIVE GOLD WITH MATTE TIN TAILS (USE C-126-21-F, T-1G2-01-F) (SEE NOTE 8 & 10)
 - L: LIGHT SELECTIVE GOLD WITH MATTE TIN TAILS (USE C-126-21-L, T-1G2-01-L) (SEE NOTE 10)
 - H: HEAVY GOLD (USE C-126-21-H, T-1G2-01-G) (SEE NOTE 10)
 - C: ELECTRO-POLISHED SELECTIVE (USE C-126-21-C, T-1G2-01-L) (SEE NOTE 10)
- ROW SPECIFICATION**
 - D: DOUBLE (USE QSH-30-01-D-XX)
- OPTION**
 - A: ALIGNMENT PINS (USE QSH-30-01-D-XX-A, SEE FIG. 2)
 - LC: LOCKING CLIPS (USE LC-08-TM-01)
 - GP: GUIDE POSTS (USE QSH-30-01-D-XX-X-GP) (SEE FIG. 4, SHEET 3) (TAPE & REEL FOR -GP, 60 POS MAX)
 - K: POLYIMIDE FILM PAD (USE K-DOT-.325-.450-.005, SEE FIG. 3)
 - TR: TAPE & REEL (90 POS MAX)
 - FL: FRICTION LOCKS (SEE FIG. 5, SHEET 3) (NOT AVAILABLE WITH -GP)
 - RT1: RETENTION (MUST USE -A OPTION) (USE QSH-30-01-D-XX-A-RT1 & SUB-SC-05-01-FF) (SEE FIG. 6, SHEET 3) (NOT AVAILABLE WITH -LC, -GP, OR -FL)
- No OF BANKS**



- NOTES:
- ⊕ REPRESENTS A CRITICAL DIMENSION.
 - NOTE DELETED.
 - CONTACT RETENTION: 8 OZ. MINIMUM.
 - GROUND PLANE RETENTION: 8 OZ. MINIMUM.
 - BURR ALLOWANCE: .0015[.038] MAX.
 - MAX VARIANCE: .002[.05].
 - DIMENSION APPLIES TO CONTACT & GROUND PLANE.
 - L PLATING CAN BE SUBSTITUTED FOR -F PLATING, -G PLATED GROUND PLANE CAN BE SUBSTITUTED FOR -F PLATED GROUND PLANE.
 - SUB-SC-05-01-XX RETENTION TO BE 1.0 LBF IN BODY.
 - MAY SUB C-126-01 FOR C-126-21.
 - FOR NEW APPLICATIONS REQUIRING THESE POSITIONS, PLEASE CONTACT SAMTEC INTERCONNECT PROCESSING GROUP.

No OF POS	COPLANARITY INCLUDING GROUND PLANE
-030 THRU -060	.0040[.102]
-090 THRU -150	.0060[.152]

No OF BANKS	"A"
1-2	.0515
3-4	.0540
5	.0535



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX: ±.01[.3] .XXX: ±.005[.13] .XXXX: ±.0020[.051] 2°

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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

MATERIAL: DO NOT SCALE DRAWING	SHEET SCALE: 1.5:1	DESCRIPTION: .5mm DOUBLE ROW HS SOCKET ASSEMBLY
INSULATOR: BLACK LCP CONTACT & GROUND PLANE: PHOS BRONZE		DWG. NO.: QSH-XXX-01-X-D-XXX
BY: DEAN P 05/21/1999		SHEET 1 OF 3

FIG. 2
-A: ALIGNMENT PIN OPTION

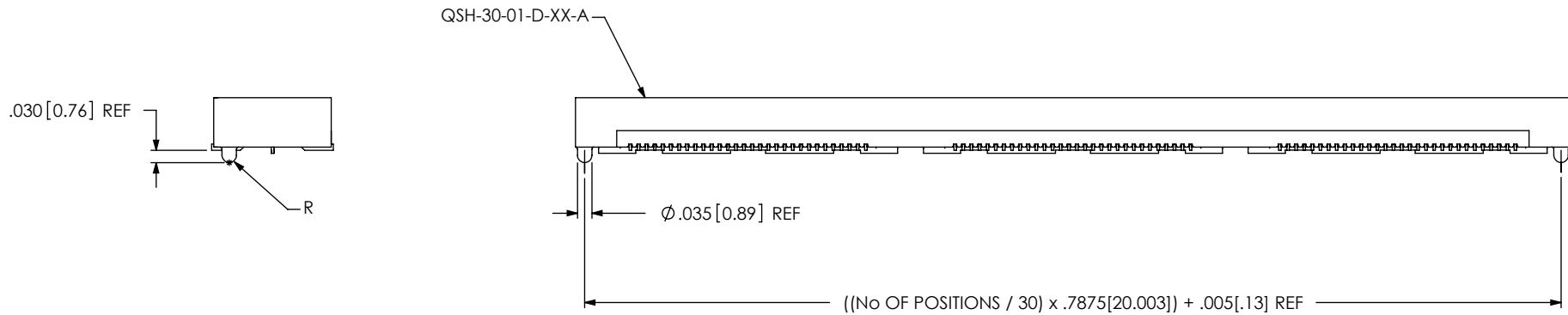
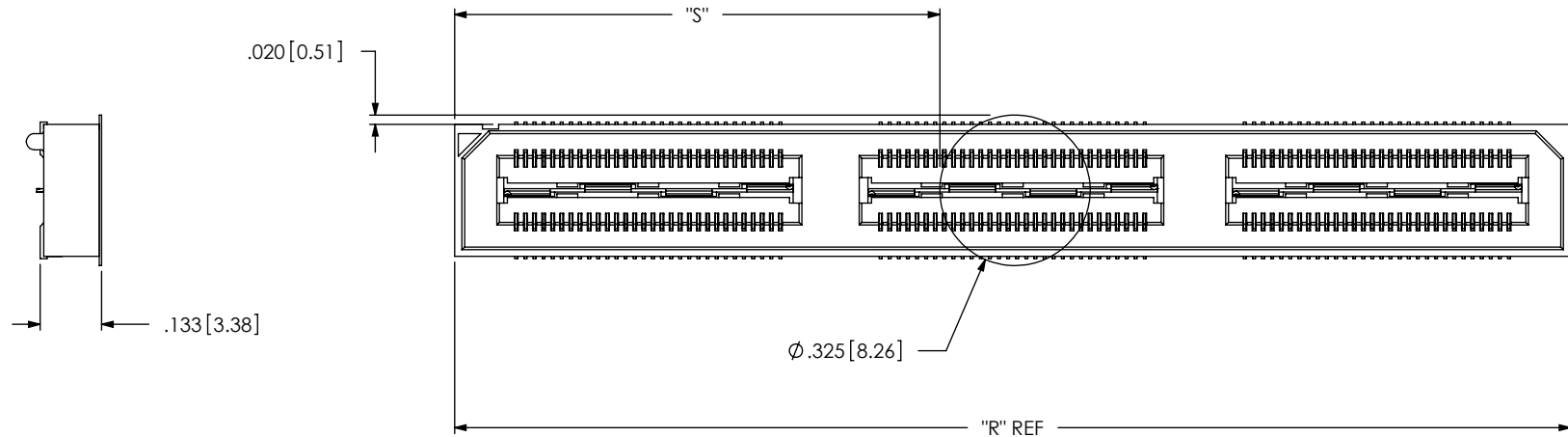


FIG. 3
-K: POLYIMIDE FILM PAD
[USE K-DOT-.325-.450-.005]



NOTE: "R" = ((No OF POSITIONS / 30) x .7875[20.003]) + .050[1.27]
 WITH -RT1 OPTION: "R" = ((No OF POSITIONS / 30) x .7875[20.003]) + .650[16.51] REF
 WITH -GP OPTION: "R" = ((No OF POSITIONS / 30) x .7875[20.003]) + .4285[10.884] REF
 "S" = (("R" - .325[8.26]) / 2) ± .020[.51]

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SHEET SCALE: 2.5:1

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 e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
 .5mm DOUBLE ROW HS SOCKET ASSEMBLY

DWG. NO.
 QSH-XXX-01-X-D-XXX

BY: DEAN P 05/21/1999 SHEET 2 OF 3

FIG. 4

-GP: GUIDE POSTS
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)

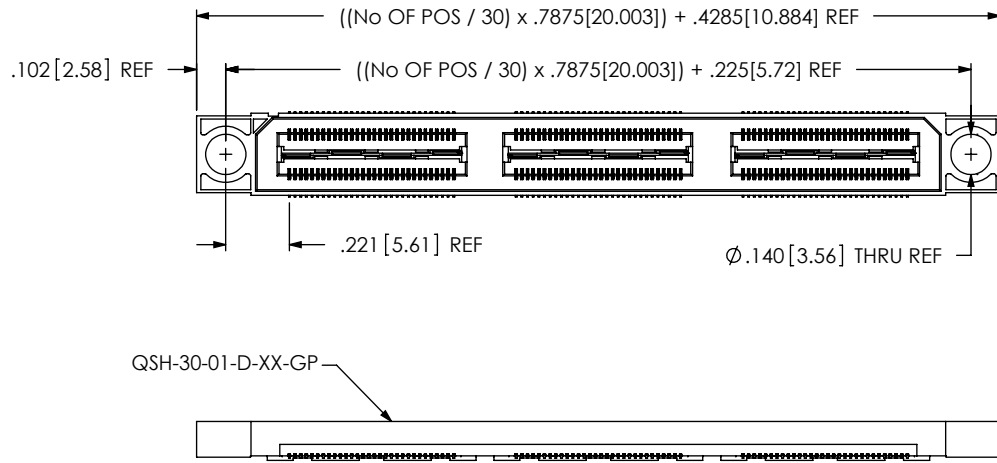


FIG. 5

-FL: FRICTION LOCKS
(NOT AVAILABLE WITH -GP OPTION)
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)

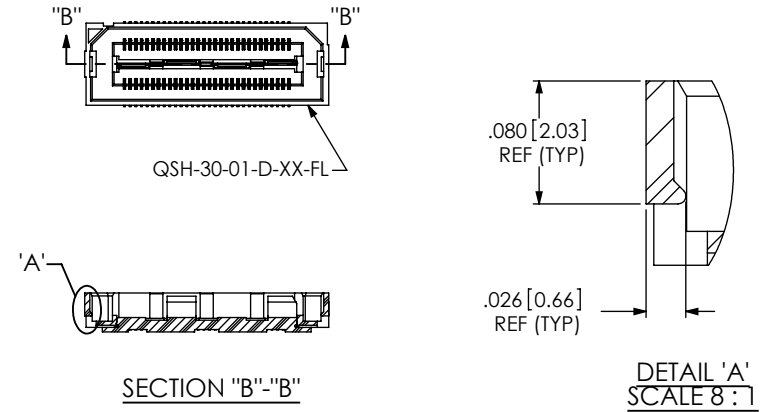
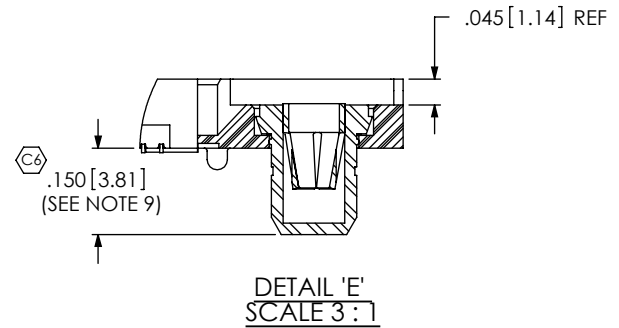
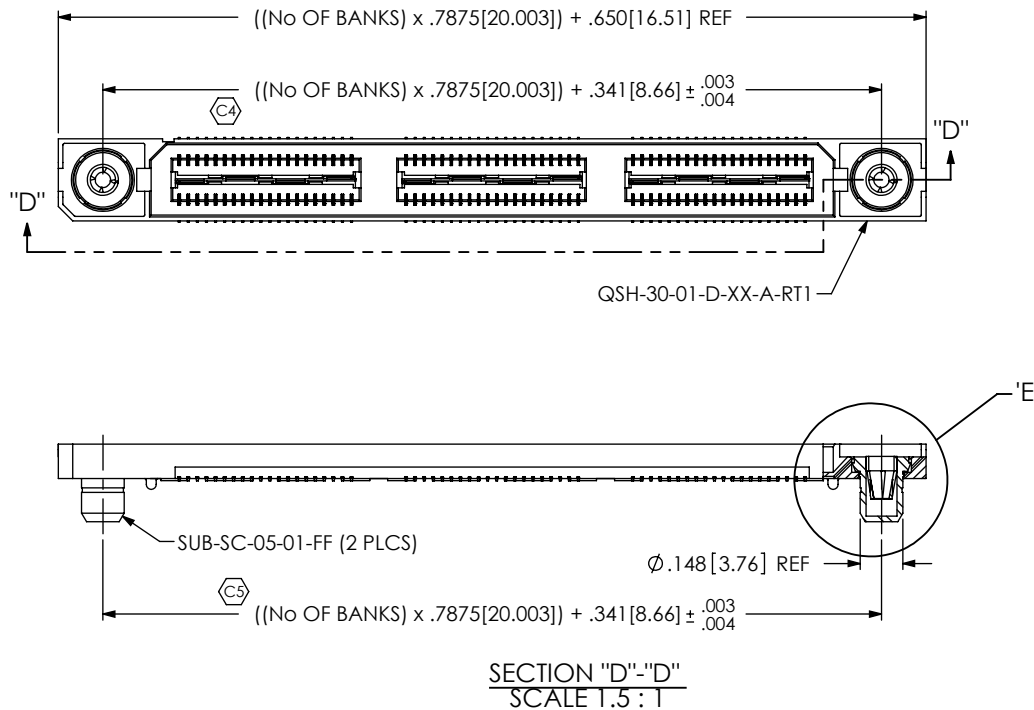


FIG. 6

-RT1: RETENTION OPTION
(MUST USE -A OPTION)
(NOT AVAILABLE WITH -LC, -GP, OR -FL OPTIONS)
(NOT AVAILABLE WITH -120 & -150 POS)
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)



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PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
.5mm DOUBLE ROW HS SOCKET ASSEMBLY

DWG. NO.
QSH-XXX-01-X-D-XXX

BY: DEAN P 05/21/1999 SHEET 3 OF 3