REVISION AI

DO NOT SCALE FROM THIS PRINT

QSH-XXX-XX-X-D-DP-XXX

No OF POSITIONS
-020, -040, -060, **-080, **-100 (PER ROW)

LEAD STYLE
-01: .1280 [3.251]

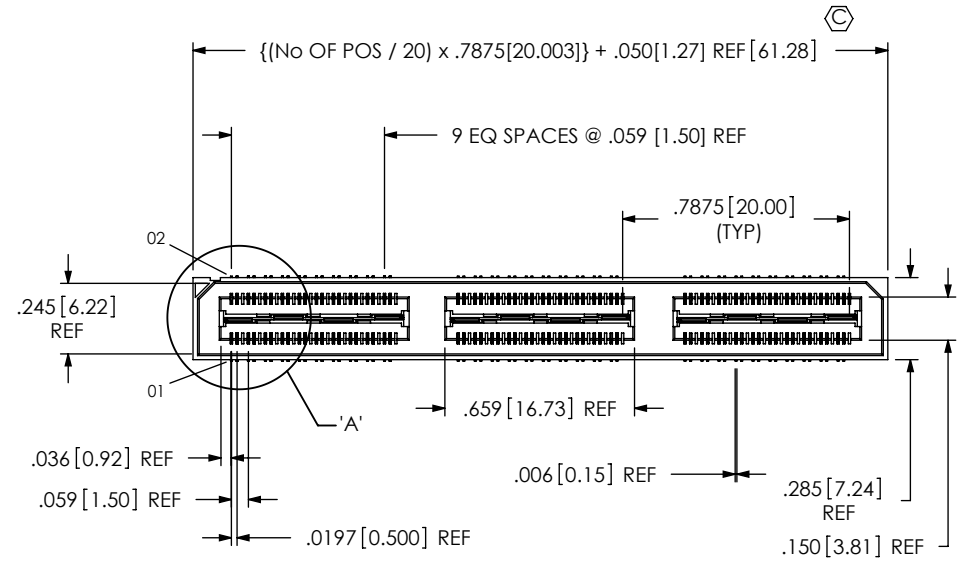
PLATING SPECIFICATION
(SEE NOTE 11)
-F: 3µ" FLASH SELECTIVE IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1G2-01-F) (SEE NOTE 9)
-L: 10µ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1G2-01-L) (SEE NOTE 9)
-H: 30µ" HEAVY GOLD IN CONTACT AREA, 3µ" GOLD ON TAIL (USE T-1G2-01-G)
-C: 50µ" ELECTRO-POLISHED SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1G2-01-L) (SEE NOTE 9)

OPTION
-A: ALIGNMENT PINS (USE QSH-30-01-D-XX-A, SEE FIG 2)
-GP: GUIDE POSTS (USE QSH-30-01-D-XX-GP, SEE FIG 4)
-LC: LOCKING CLIPS(SEE NOTE 12) (USE LC-08-TM-01, SEE FIG 1)
-K: POLYIMIDE FILM PAD (USE K-DOT-.325-.450-.005, SEE FIG. 3)
-TR: TAPE & REEL (60 POS MAX)
-TY: TRAY PACKAGING (NOT AVAILABLE WITH -TR)
-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) (NOT AVAILABLE WITH -080 & -100 POS)
-L: LATCHING (SEE FIG 7, SHEET 4) (USE QSH-30-01-D-XX-A-L) (NOT AVAILABLE WITH -LC, -GP, -FL, OR -RT1)

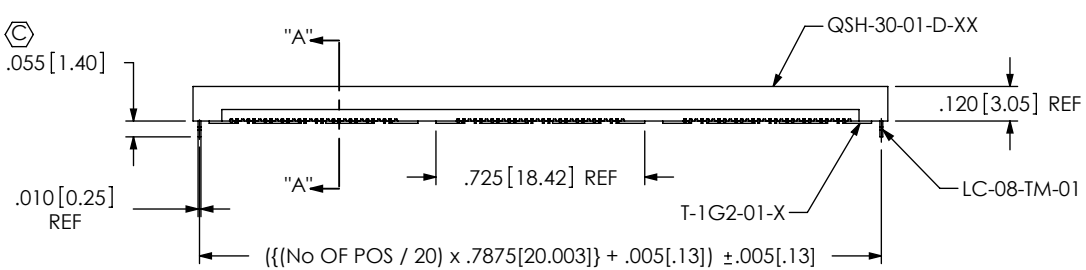
DIFFERENTIAL PAIRS

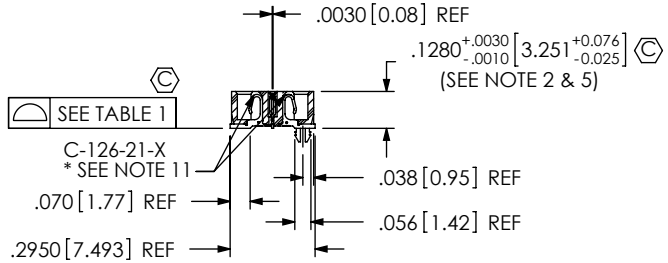
ROW SPECIFICATION
-D: DOUBLE (USE QSH-30-01-D-XX)

No OF BANKS



C-126-01-X CAN BE SUBBED FOR C-126-21-X
**** = SEE NOTE 10**





SECTION "A"-"A"

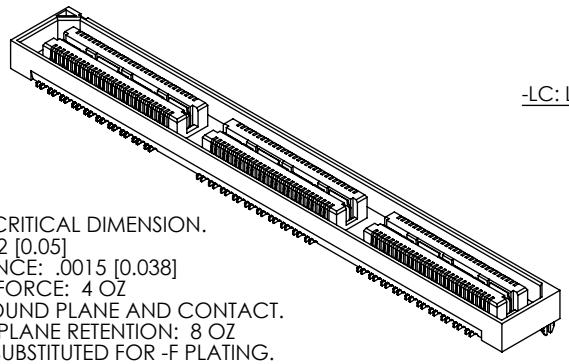


FIG 1
-LC: LOCKING CLIP OPTION SHOWN

TABLE 1	
No OF POS	COPLANARITY (INCLUDES GROUND PLANE)
-020 THRU -060	.0040[.102]
-080 THRU -100	.0060[.152]

NOTES:
1. Ⓒ REPRESENTS A CRITICAL DIMENSION.
2. MAX VARIANCE: .002 [0.05]
3. MAX BURR ALLOWANCE: .0015 [0.038]
4. MINIMUM PUSHOUT FORCE: 4 OZ
5. DIM APPLIES TO GROUND PLANE AND CONTACT.
6. MINIMUM GROUND PLANE RETENTION: 8 OZ
7. -L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
8. SUB-SC-05-01-XX RETENTION TO BE 1.0 LBF IN BODY.
9. MAY SUB C-126-01-X for C-126-21-X.
10. FOR NEW APPLICATIONS REQUIRING THESE POSITIONS PLEASE CONTACT SAMTEC INTERCONNECT PROCESSING GROUP.
11. FOR -80, -100 POSITIONS USE C-269-11-X. DO NOT SUB C-126.
12. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE –LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE –LC OPTION."

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

PROPRIETARY NOTE
THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO 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 OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

samtec
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: 3:2

INSULATOR: BLACK, LCP
FLAMMABILITY RATING: UL94VO
TERMINAL: PHOS BRONZE
GROUND PLANE: PHOS BRONZE

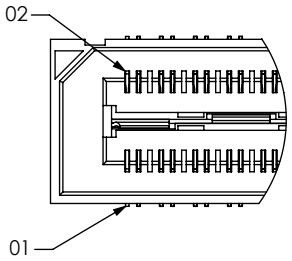
F:\DWG\MISC\MKTG\QSH-XXX-XX-X-D-DP-XXX-MKT.SLDDRW

DESCRIPTION:
.5mm DIFFERENTIAL PAIRS HS SOCKET ASSEMBLY

DWG. NO.
QSH-XXX-XX-X-D-DP-XXX

BY: KEVIN B 06/13/00 SHEET 1 OF 4

REVISION AI



DETAIL 'A'
SCALE 3 : 1

FIG 2
-A: ALIGNMENT PIN OPTION SHOWN

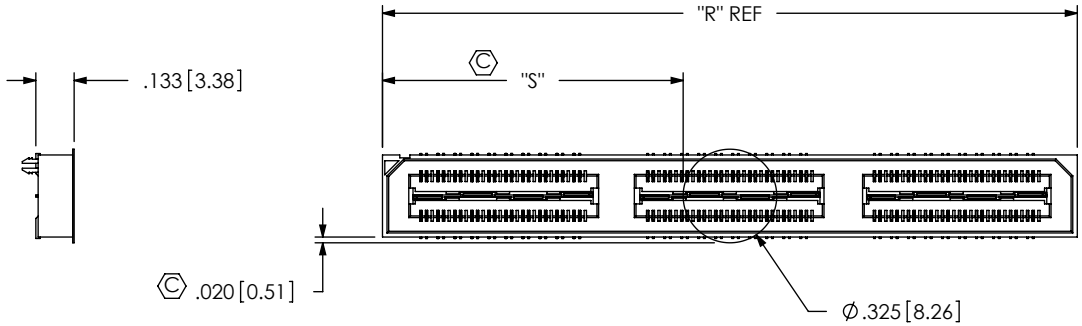


FIG 3
-K: POLYIMIDE FILM PAD

NOTE: "R" = ((No OF POSITIONS / 20) x .7875[20.003]) + .050[1.27]
"S" = (("R" - .325[8.26]) /2) ±.020[.51]

PROPRIETARY NOTE
THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO 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 OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 1.5:1

samtec
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
.5mm DIFFERENTIAL PAIRS HS SOCKET ASSEMBLY

DWG. NO.
QSH-XXX-XX-X-D-DP-XXX

BY: KEVIN B 06/13/00

F:\DWG\MISC\MKTG\QSH-XXX-XX-X-D-DP-XXX-MKT.SLDDRW

REVISION AI

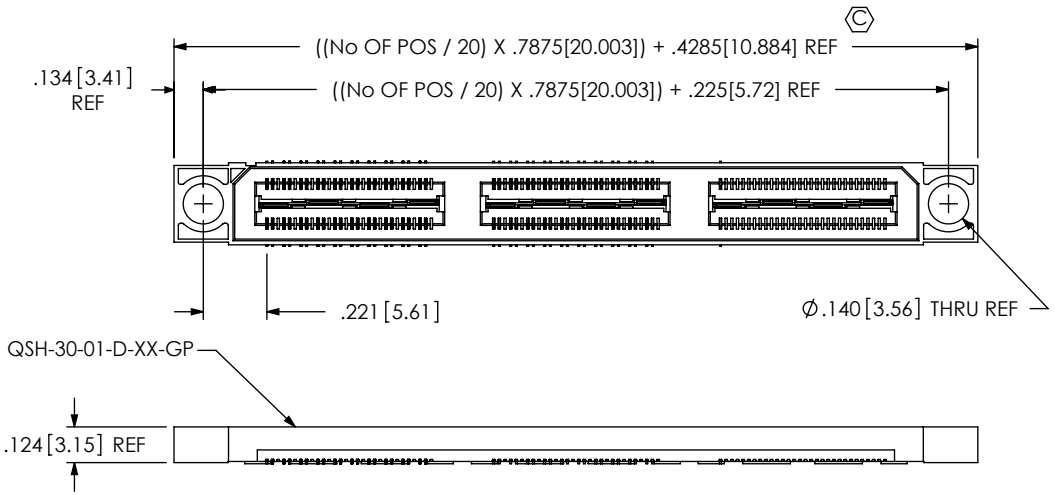
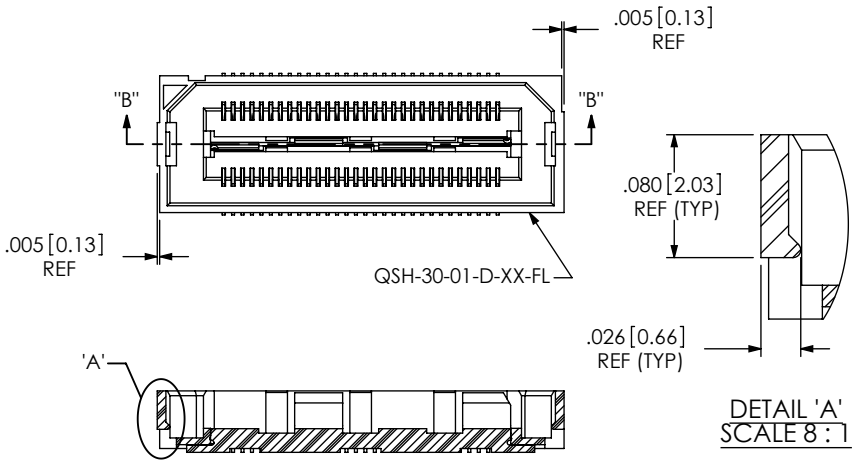


FIG 4

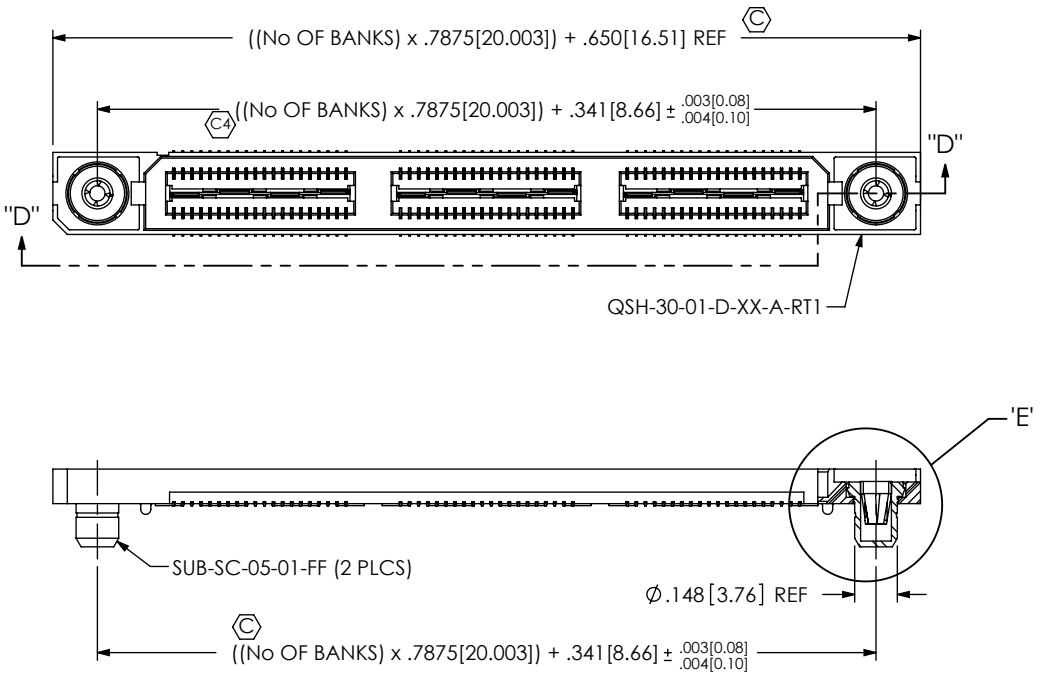
-GP: GUIDE POST OPTION SHOWN



SECTION "B"-"B"

FIG 5

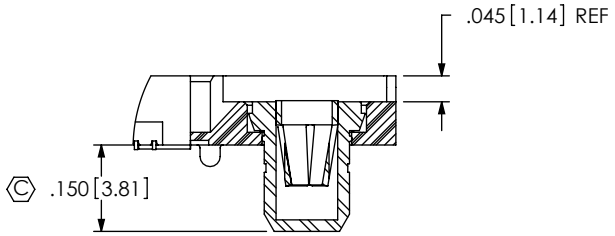
-FL: FRICTION LOCKS
(NOT AVAILABLE WITH -GP OPTION)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



SECTION "D"-"D"
SCALE 1.5 : 1

FIG 6

-RT1: RETENTION OPTION
(MUST USE -A OPTION)
(NOT AVAILABLE WITH -LC, -GP, OR -FL OPTIONS)
(NOT AVAILABLE WITH -080 & -100 POS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



DETAIL 'E'
SCALE 3 : 1

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO 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 OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 1.25:1

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
.5mm DIFFERENTIAL PAIRS HS SOCKET ASSEMBLY

DWG. NO.
QSH-XXX-XX-X-D-DP-XXX

BY: KEVIN B 06/13/00

REVISION AI

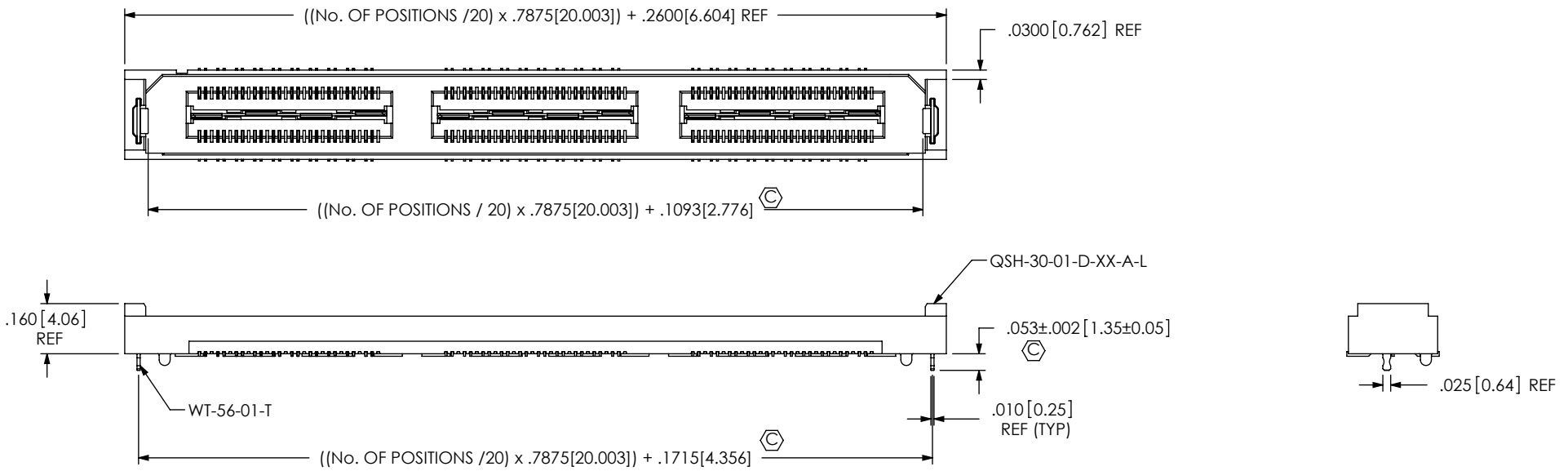


FIG 7

-L: RETENTION OPTION
(NOT AVAILABLE WITH -LC, -GP, -FL, OR -RT1 OPTIONS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO 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 OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
.5mm DIFFERENTIAL PAIRS HS SOCKET ASSEMBLY

DWG. NO.
QSH-XXX-XX-X-D-DP-XXX

BY: KEVIN B 06/13/00 SHEET 4 OF 4

F:\DWG\MISC\MKTG\QSH-XXX-XX-X-D-DP-XXX-MKT.SLDDRW