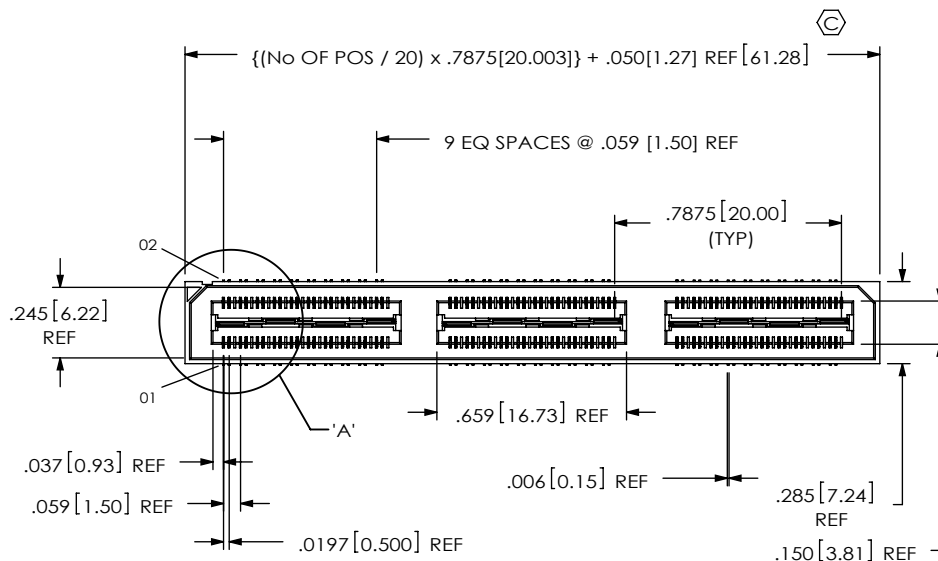


DO NOT
SCALE FROM
THIS PRINT

QSH-XXX-XX-X-D-DP-XXX	
No. OF POSITIONS	OPTION
-020, -040, -060, **-080, **-100 (PER ROW)	-A: ALIGNMENT PINS (USE QSH-30-01-D-XX-A, SEE FIG 2)
LEAD STYLE	-GP: GUIDE POSTS (USE QSH-30-01-D-XX-GP, SEE FIG 4)
-01: .1280 [3.251]	-LC: LOCKING CLIPS (SEE NOTE 12) (USE LC-08-TM-01, SEE FIG 1)
PLATING SPECIFICATION	-K: POLYIMIDE FILM PAD (USE K-DOT-.325-.450-.005, SEE FIG. 3)
(SEE NOTE 11)	-TR: TAPE & REEL (60 POS MAX)
-F: 3u" FLASH SELECTIVE IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1G2-01-F) (SEE NOTE 9)	-TY: TRAY PACKAGING (NOT AVAILABLE WITH -TR)
-L: 10u" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1G2-01-L) (SEE NOTE 9)	-FL: FRICTION LOCKS (SEE FIG 5, SHEET 3) (NOT AVAILABLE WITH -GP)
-H: 30u" HEAVY GOLD IN CONTACT AREA, 3u" GOLD ON TAIL (USE T-1G2-01-G)	-RT1: RETENTION (MUST USE -A OPTION) (USE QSH-30-01-D-XX-A-RT1 & SUB-SC-05-01-FF) (SEE FIG 6, SHEET 3)
-C: 50u" ELECTRO-POLISHED SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1G2-01-L) (SEE NOTE 9)	(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**

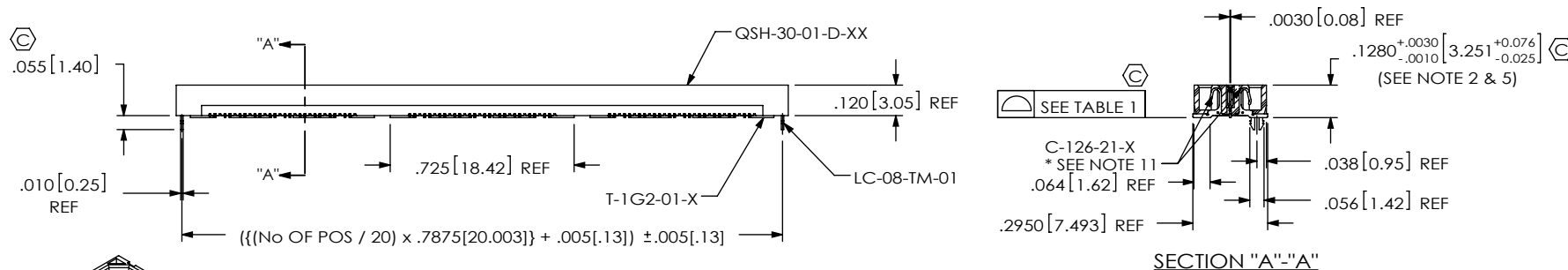


FIG 1
-LC: LOCKING CLIP OPTION SHOWN

NOTES:

1. $\odot$ 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."

TABLE 1	
No of POS	COPLANARITY (INCLUDES GROUND PLANE)
-020 THRU -060	.0040 [1.02]
-080 THRU -100	.0060 [1.52]

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

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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: 3:2
INSULATOR: BLACK, LCP
FLAMMABILITY RATING: UL94V0
TERMINAL: PHOS BRONZE
GROUND PLANE: PHOS BRONZE

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

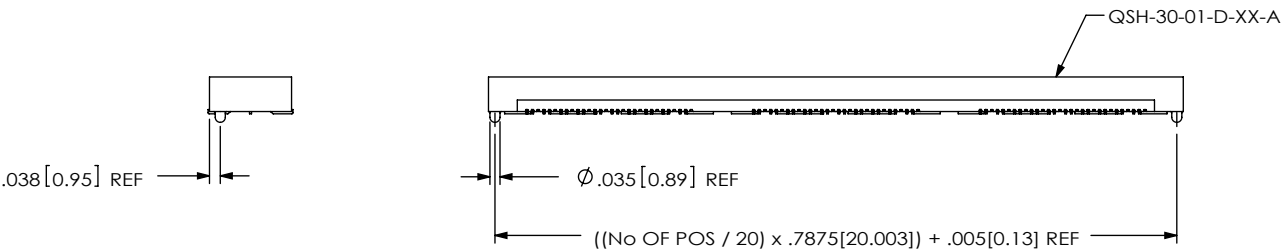


FIG 2
-A: ALIGNMENT PIN OPTION SHOWN

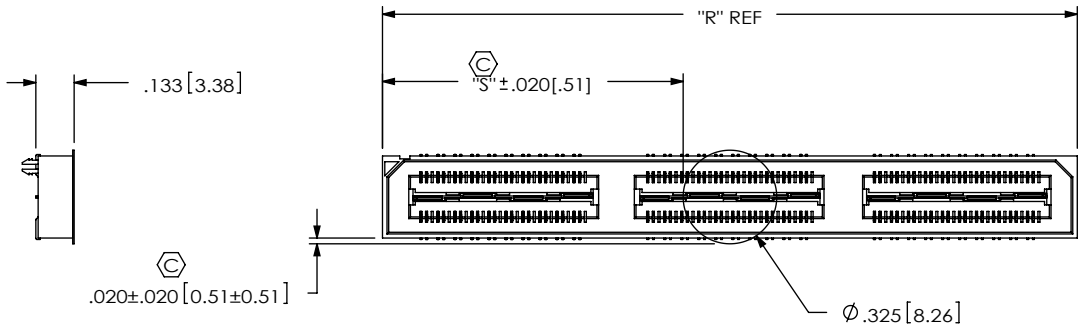
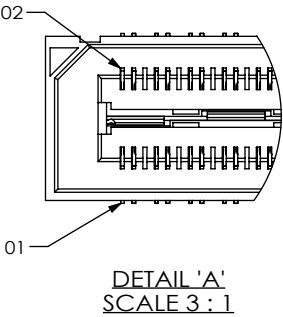


FIG 3
-K: POLYIMIDE FILM PAD

NOTE: "R" = ((No OF POSITIONS / 20) x .7875 [20.003]) + .050 [1.27]
"S" = (("R" - .325 [8.26]) / 2) ± .020 [0.51]

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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 SHEET 2 OF 4

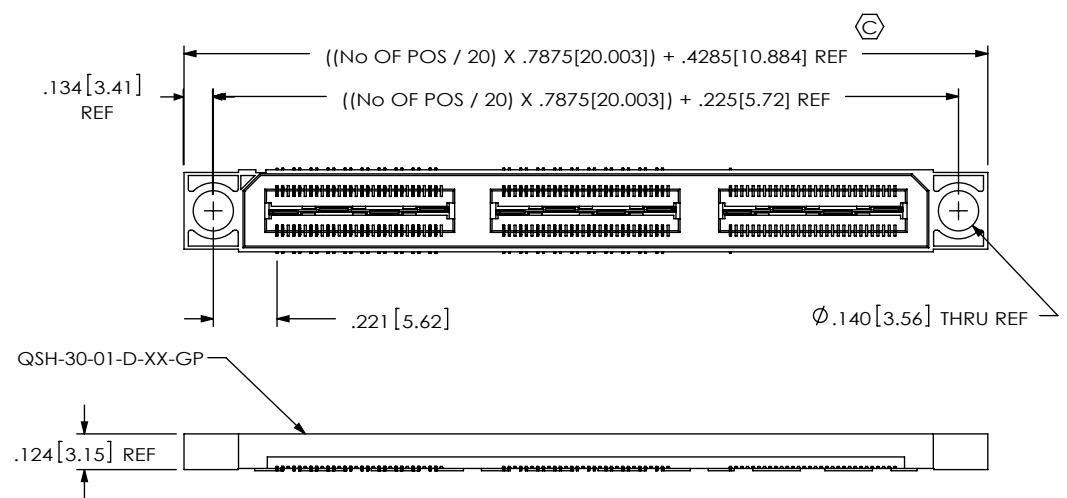
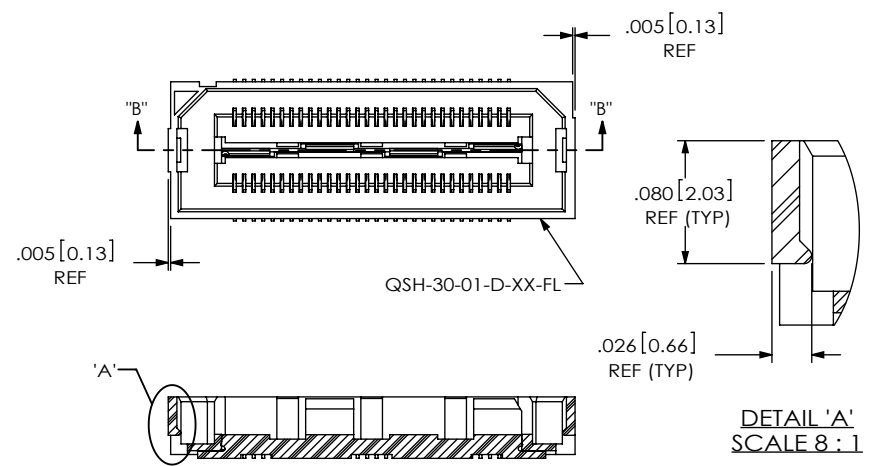
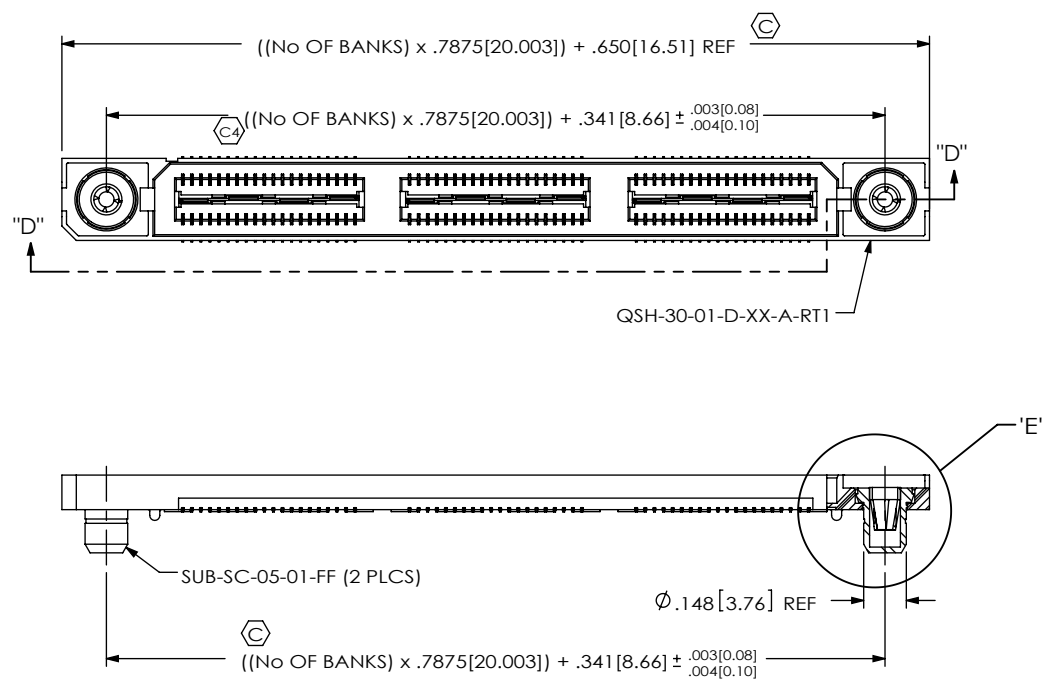


FIG 4
-GP: GUIDE POST OPTION SHOWN

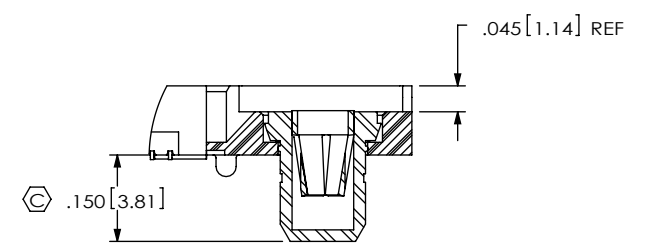


SECTION "B"-"B"
FIG 5
-FL: FRICTION LOCKS
(NOT AVAILABLE WITH -GP OPTION)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



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

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DO NOT SCALE DRAWING		DESCRIPTION: .5mm DIFFERENTIAL PAIRS HS SOCKET ASSEMBLY	
SHEET SCALE: 1.25:1		DWG. NO. QSH-XXX-XX-X-D-DP-XXX	
		BY: KEVIN B 06/13/00	SHEET 3 OF 4

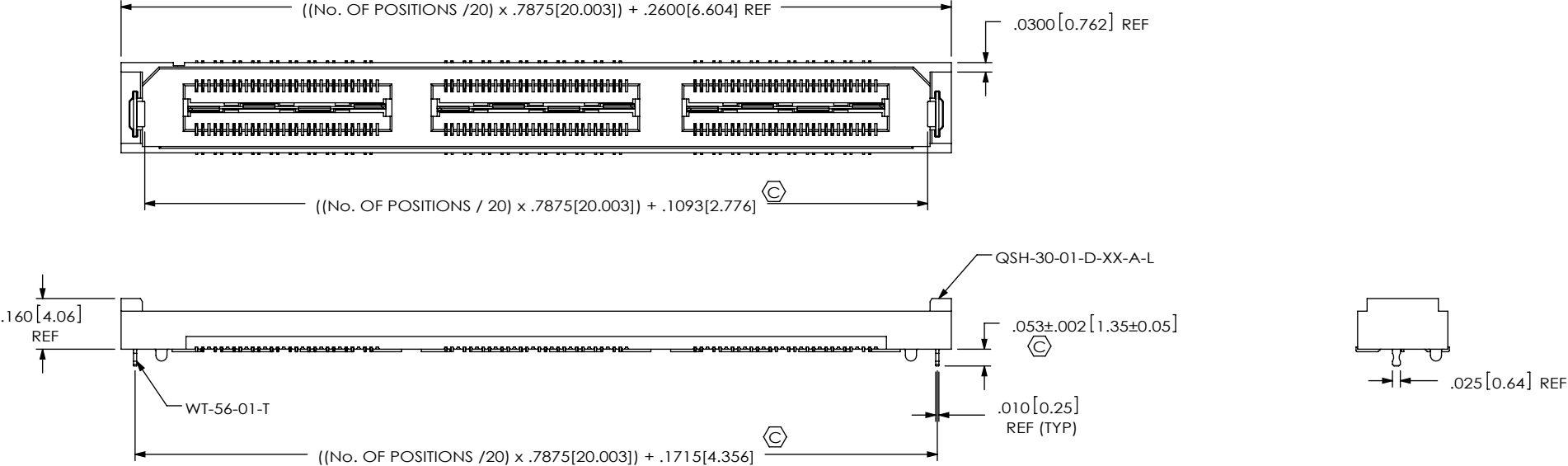


FIG 7
-L: RETENTION OPTION
(NOT AVAILABLE WITH -LC, -GP, -FL, OR -RT1 OPTIONS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

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	DESCRIPTION: .5mm DIFFERENTIAL PAIRS HS SOCKET ASSEMBLY	
	DWG. NO. QSH-XXX-XX-X-D-DP-XXX	
	BY: KEVIN B	06/13/00