

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

LEAD STYLE—
-01: .1280 [3.251]

PLATING SPECIFICATION
(SEE NOTE 11)

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

ROW SPECIFICATION

-D: DOUBLE (USE QSH-30-01-D-XX)
No OF BANKS

DIFFERENTIAL PAIRS

C-126-01-X CAN BE SUBBED
FOR C-126-21-X

** = SEE NOTE 10

PACKAGING

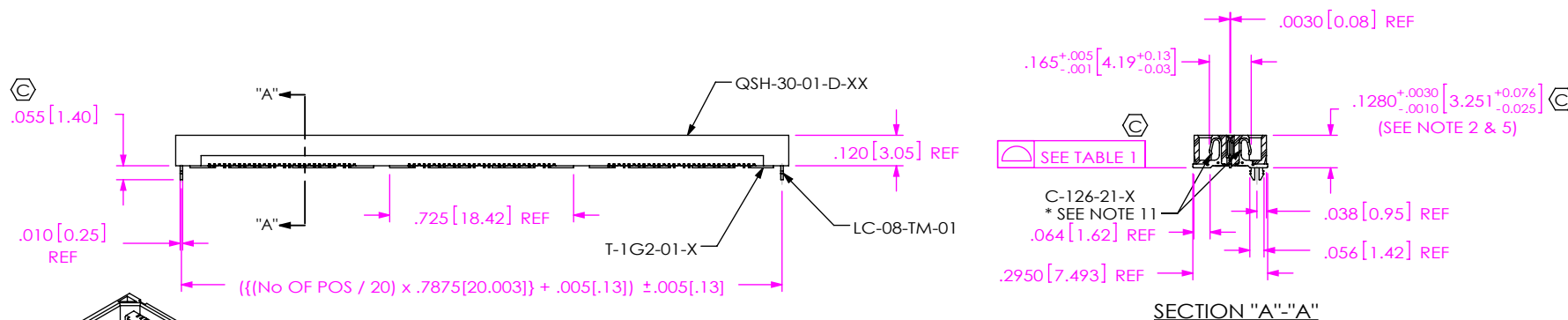
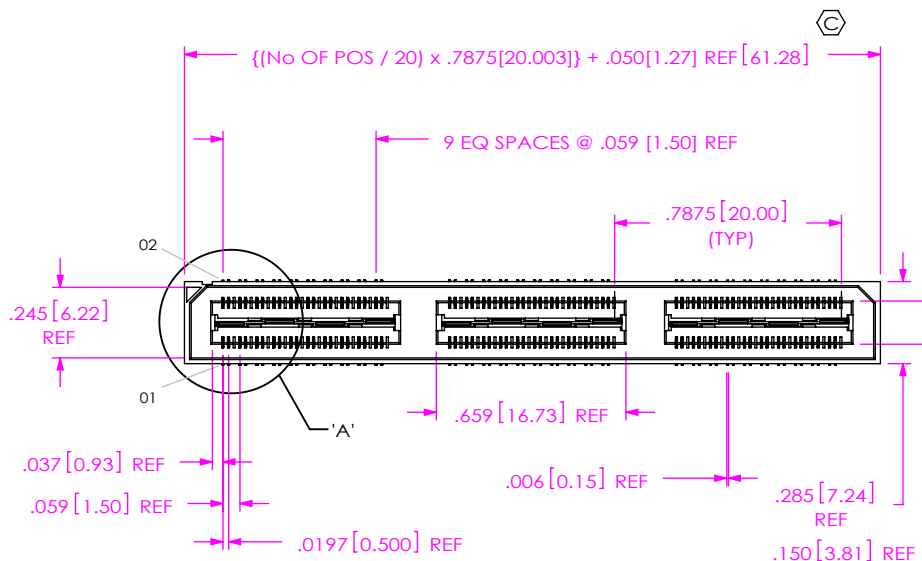
BLANK: TRAY (SEE NOTES 13 & 14)
-TR: TAPE & REEL (SEE NOTES 14 & 15)
(60 POS MAX)
-FR: FULL REEL QTY TAPE & REEL
(SEE NOTES 14 & 15)
(60 POS MAX)

PICK & PLACE OPTION

-K: POLYIMIDE FILM
(USE K-DOT-.325-.450-.005,
SEE FIG 3, SHT 2)

— OPTIONS

- A: ALIGNMENT PINS
(USE QSH-30-01-D-XX-A)
(SEE FIG 2, SHT 2)
- GP: GUIDE POSTS
(USE QSH-30-01-D-XX-GP)
(SEE FIG 4, SHT 3)
- LC: LOCKING CLIPS (SEE NOTE 12)
(USE LC-08-TM-01, SEE FIG 1)
- FL: FRICTION LOCKS
(SEE FIG 5, SHT 3)
(NOT AVAILABLE WITH -GP)
- RT1: RETENTION (MUST USE -A OPTION)
(USE QSH-30-01-D-XX-A-RT1
& SUB-S-05-01-FX) (SEE FIG 6, SHT 3)
(NOT AVAILABLE WITH -LC, -GP, OR -FL)
(NOT AVAILABLE WITH -080 & -100 POS)
- L: LATCHING
(SEE FIG 7, SHT 4)
(USE QSH-30-01-D-XX-A-L)
(NOT AVAILABLE WITH -LC, -GP, -FL OR -RT1)

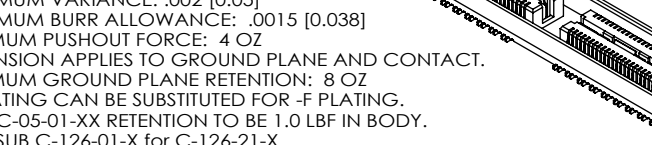



SECTION "A"-"A"

TABLE 1

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. MAXIMUM VARIANCE: .002 [0.05]
3. MAXIMUM BURR ALLOWANCE: .0015 [0.038]
4. MINIMUM PUSHOUT FORCE: 4 OZ
5. DIMENSION 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."
13. TRAYS ARE STANDARD PACKAGING.
14. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
15. ATTACH LABEL TO EACH REEL.

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:

DECIMALS	ANGLES
.XX: $\pm .01$ [.3]	2°
.XXX: $\pm .005$ [.13]	
.XXXX: $\pm .0020$ [.051]	

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MATERIAL: DO NOT SCALE DRAWING

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

F:\DWG\MISC\Mktg\QSH-XXX-XX-X-D-DP-XXX-X-XX-MKT SLD.DRW

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-X-XX

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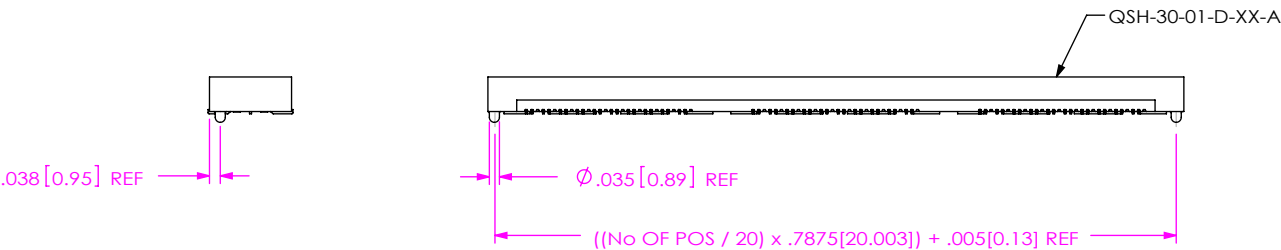


FIG 2
-A: ALIGNMENT PIN OPTION SHOWN

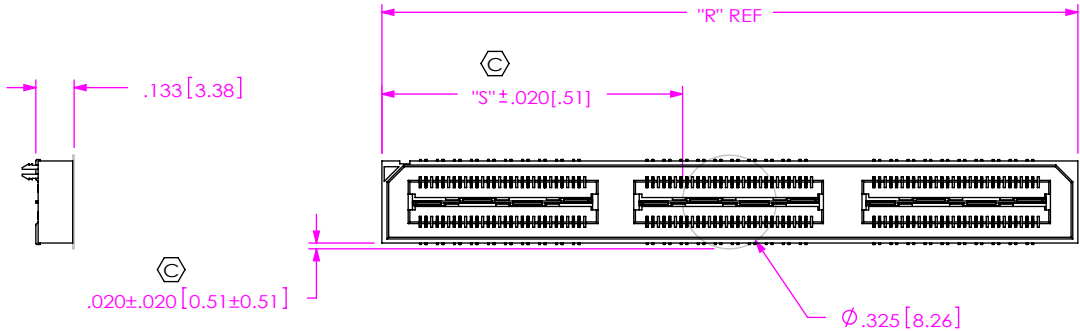
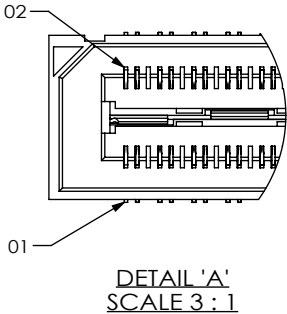



FIG 3
-K: POLYIMIDE FILM PAD

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

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DO NOT SCALE DRAWING		DESCRIPTION: .5mm DIFFERENTIAL PAIRS HS SOCKET ASSEMBLY	
SHEET SCALE: 1.5:1		DWG. NO. QSH-XXX-XX-X-D-DP-XXX-X-XX	
		BY: KEVIN B 06/13/00	SHEET 2 OF 4

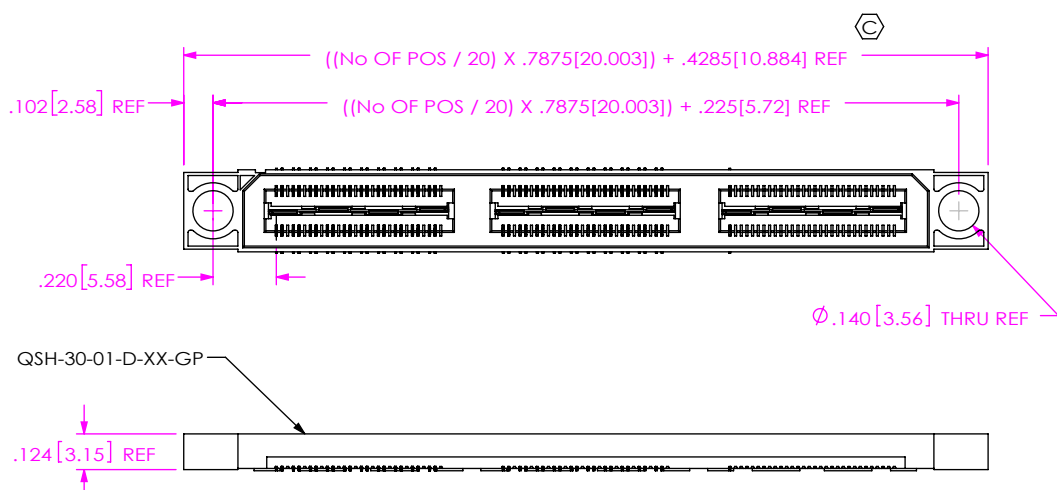


FIG 4
-GP: GUIDE POST OPTION SHOWN

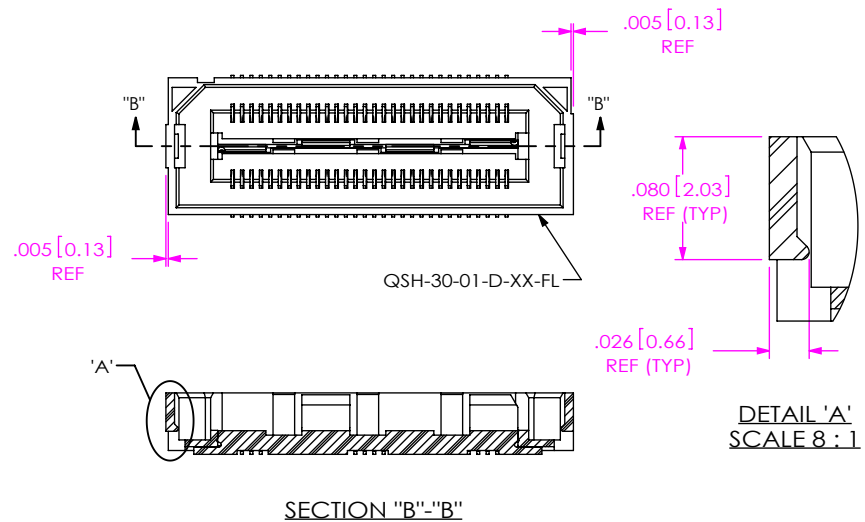


FIG 5
 -FL: FRICTION LOCKS
 (NOT AVAILABLE WITH -GP OPTION)
 (SAME AS FIG 1, UNLESS OTHERWISE STATED)

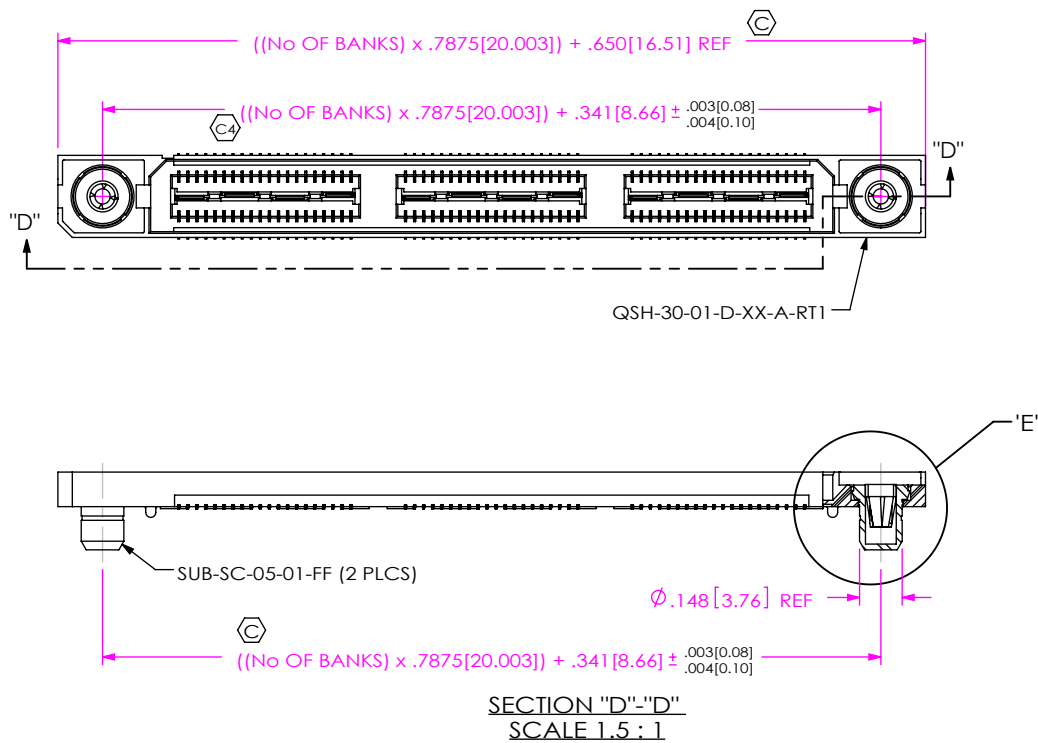
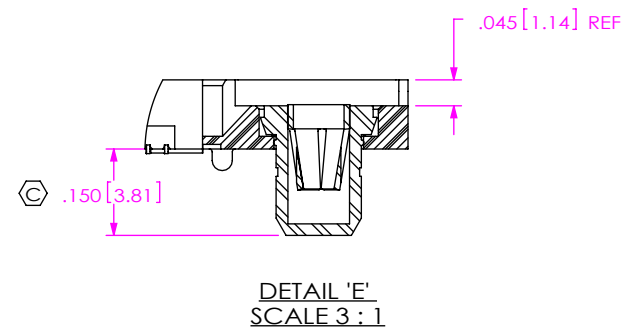



FIG 6
 -RT1: RETENTION OPTION
 (MUST USE -A OPTION)
 (NOT AVAILABLE WITH -LC, -GP, OR -FL OPTIONS)
 (NOT AVAILABLE WITH -O80 & -100 POS)
 (SAME AS FIG 1, UNLESS OTHERWISE STATED)



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	<p>BY: KEVIN B 06/13/00</p>	<p>SHEET 3 OF 4</p>

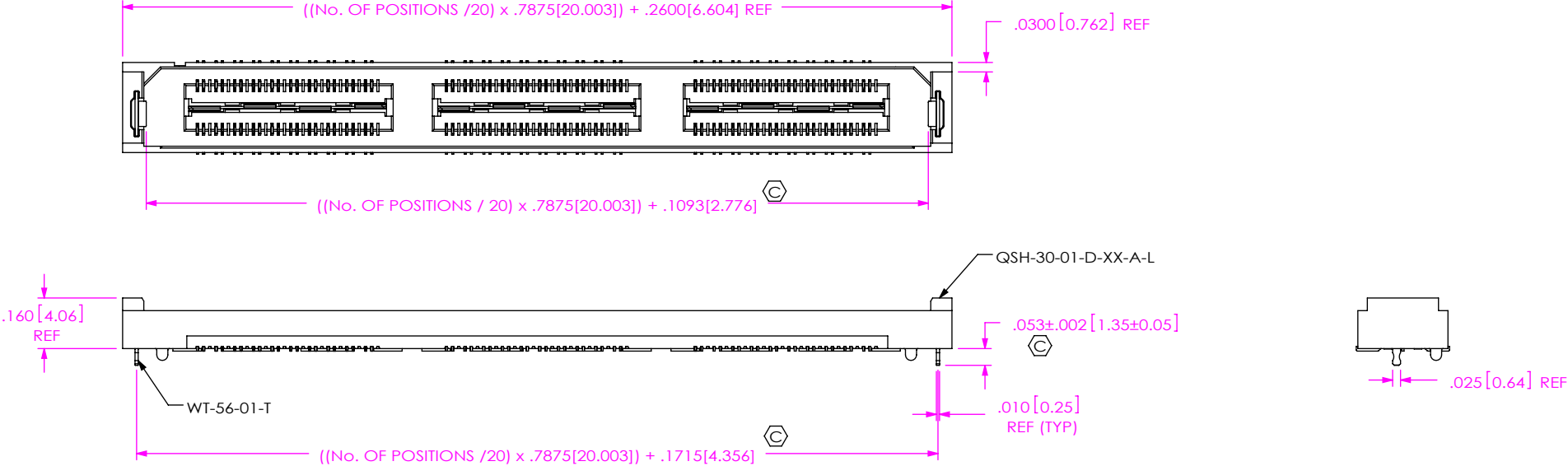



FIG 7
-L: LATCHING OPTION
(NOT AVAILABLE WITH -LC, -GP, -FL, OR -RT1 OPTIONS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

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SHEET SCALE: 2:1		DWG. NO. QSH-XXX-XX-X-D-DP-XXX-X-XX	
		BY: KEVIN B 06/13/00	SHEET 4 OF 4