REVISION AH

((No OF POSITIONS / 20) x .7875[20.003]) + .440[11.18] REF

((No OF POSITIONS / 20) x .7875[20.003]) + .0100[.254] REF

19 EQ SPACES @ .0315[.800]

02

.2850[7.239] REF
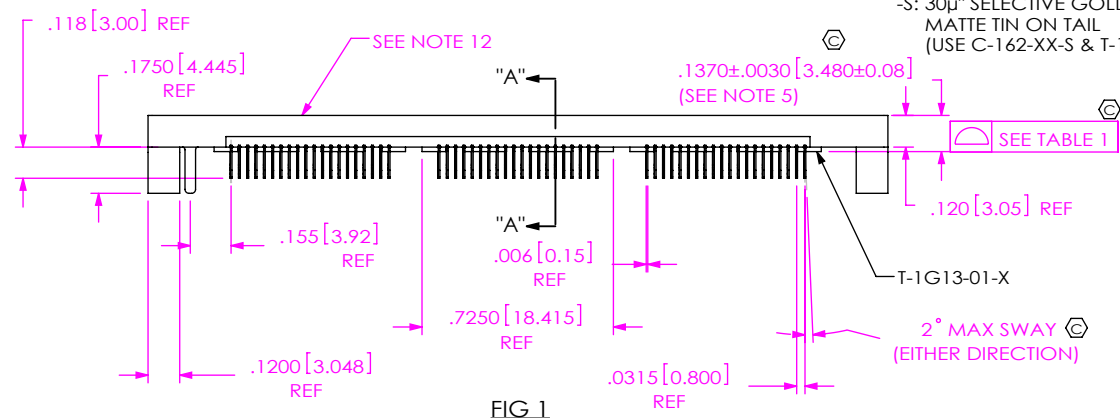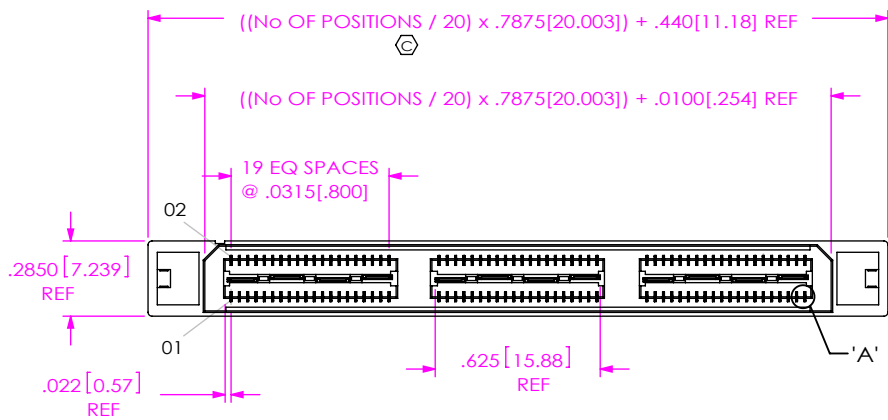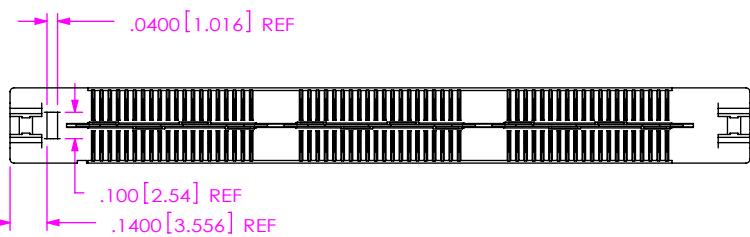
01

.022[0.57] REF

.625[15.88] REF

'A'

QSE-XXX-01-X-D-EMX-XX

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

LEAD STYLE
-01: .1380 [3.505]

PLATING SPECIFICATION
PLATING THICKNESSES ARE FOR SIGNAL PINS ONLY. FOR GROUND PLANE THICKNESSES, SEE PP-T-1G13-XX-X.
-F: 3µ" FLASH SELECTIVE GOLD IN CONTACT AREA MATTE TIN ON TAIL (SEE NOTE 6) (USE C-162-XX-F & T-1G13-01-F)
-L: 10µ" LIGHT SELECTIVE GOLD IN CONTACT AREA WITH MATTE TIN ON TAIL (USE C-162-XX-L & T-1G13-01-L)
-H: 30µ" HEAVY GOLD IN CONTACT AREA 3µ" FLASH GOLD ON TAILS (USE C-162-XX-H & T-1G13-01-G)
-TL: TIN/LEAD (90/10±5%) CONTACT AND TAIL
-S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE C-162-XX-S & T-1G13-01-L)

OPTION
* -GP: GUIDE POST (60 POS MAX) (SEE FIG 2, SEE SHEET 2)
-TY: TRAY PACKAGING
* EM3-GP = NOT TOOLED

EDGE MOUNT THICKNESS
-EM2: .062[1.57] +/-.004 PCB (USE QSE-20-01-D-EM2-XX & C-162-01-X)
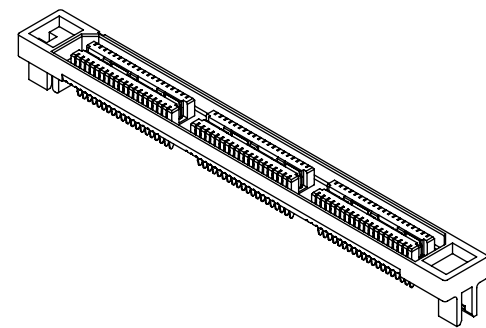-EM3: .092[2.34] +/-.004 PCB (USE QSE-20-01-D-EM3-XX & C-162-02-X)
(SEE NOTE 10)

ROW SPECIFICATION
-D: DOUBLE (USE QSE-20-01-D-EMX-XX)

No OF BANKS

* = SEE NOTE 10

** = SEE NOTE 13

.118[3.00] REF

.1750[4.445] REF

SEE NOTE 12

"A"

"A"

.1370±.0030[3.480±.08] (SEE NOTE 5)

SEE TABLE 1

.120[3.05] REF

T-1G13-01-X

.155[3.92] REF

.006[0.15] REF

.7250[18.415] REF

2° MAX SWAY (EITHER DIRECTION)

.1200[3.048] REF

.0315[0.800] REF

FIG 1

.0400[1.016] REF

.100[2.54] REF

.1400[3.556] REF

NOTES:
1. REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM CONTACT RETENTION: 6 OZ
3. MINIMUM GROUND PLANE RETENTION: 8 OZ
4. PARTS ARE MOLD TO POSITION.
5. MAXIMUM VARIANCE OF .002[0.05]
6. -L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
7. NOTE DELETED.
8. BOARD THICKNESS TO BE MEASURED FROM SOLDER PAD TO SOLDER PAD.
9. SEE HTTP: //SUDDENDOCS.SAMTEC.COM/PROCESSING/EDGE-MOUNT-PROCESSING.PDF FOR INFORMATION ON PROCESSING EDGEMOUNT PARTS TO BOARDS.
10. -EM3 IS NOT A STANDARD OFFERING; AVAILABLE AS AN ASP ONLY.
11. NOTE DELETED.
12. SIDE WALLS ARE RIBBED AS NECESSARY TO CONTROL BOW.
13. AVAILABLE FOR EXISTING CUSTOMERS ONLY.
14. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.

TABLE 1		
No OF POSITIONS	GND PLANE COPLANARITY	ASSEMBLY BOW
-020 THRU -060	.004 [0.10]	.004 [0.10]
**-080 THRU **-100	.005[1.27]	.006[0.15]

** = SEE NOTE 13

SAMTEC

MATERIAL: DO NOT SCALE DRAWING   SHEET SCALE: 1.375:1

INSULATOR: LCP, UL 94VO
-EM2 COLOR: BLACK
-EM3 COLOR: NATURAL
CONTACT & GROUND PLANE: PHOS BRONZE
F:\DWG\MISC\MKTG\QSE-XXX-01-X-D-EMX-XX-MKT.SLDDRW

DESCRIPTION:
.8mm EDGE MOUNT HS SOCKET ASSEMBLY

DWG. NO.
QSE-XXX-01-X-D-EMX-XX

BY: DEAN P   5/24/2000   SHEET 1 OF 3

FIG 2

-GP: GUIDE POST
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(60 POSITION MAX)
(ONLY AVAILABLE WITH -EM2 OPTION)

{(NO OF POSITIONS / 20) x .7875[20.003]} + 1.044[26.52] REF

.207[5.26] REF

"B"

"B"

{(NO OF POSITIONS / 20) x .7875[20.003]} + .225[5.715] REF

∅.140[3.56] REF (TYP)

QSE-20-01-D-EMX-XX-GP

"C"

"C"

.070[1.78] REF

.417[10.59] REF

.235[5.96] REF

SECTION "B"-"B"

SECTION "C"-"C"

.008[0.19] MAX

DETAIL 'A'
SCALE 10 : 1

LINE WHERE ROUNDED TOP
OF CONTACT TRANSITIONS
TO STRAIGHT BEAM
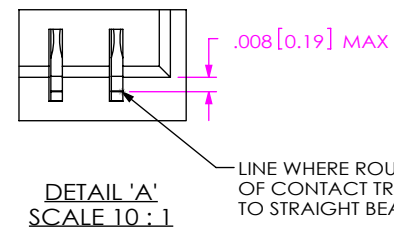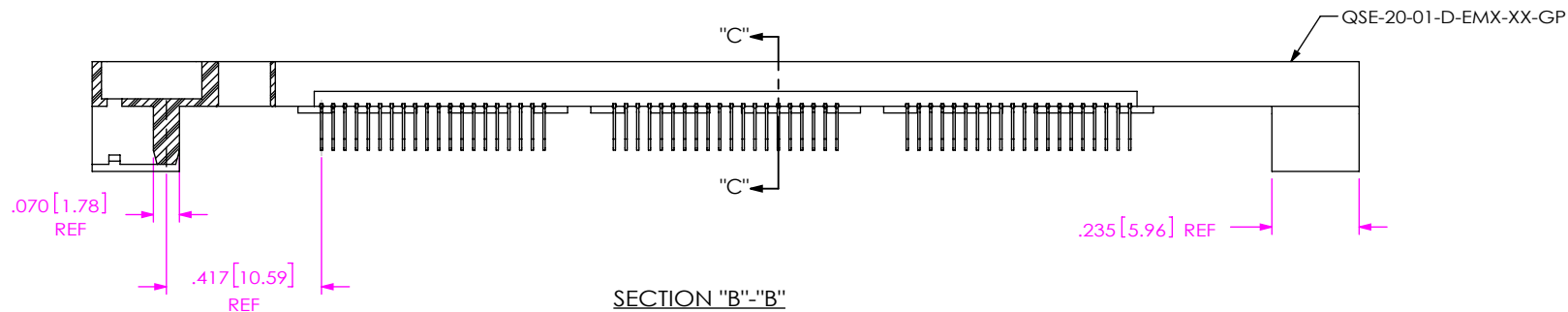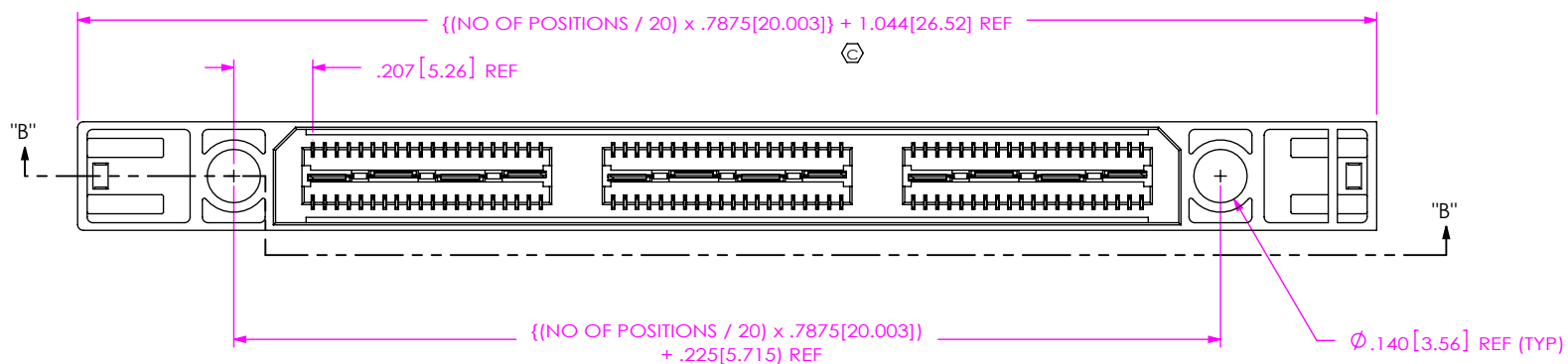
CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE	
ASSEMBLY OPERATION	IN-PROCESS INSPECTION
FILL C-162-XX-X	C1, C2, C5*, C7, C8
FILL T-1G13-01-X	C6
WHERE APPLICABLE *	
CPCs INTENTIONALLY DELETED: C4*	

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:
.8mm EDGE MOUNT HS SOCKET ASSEMBLY

DWG. NO.
QSE-XXX-01-X-D-EMX-XX

BY: DEAN P   5/24/2000   SHEET 2 OF 3

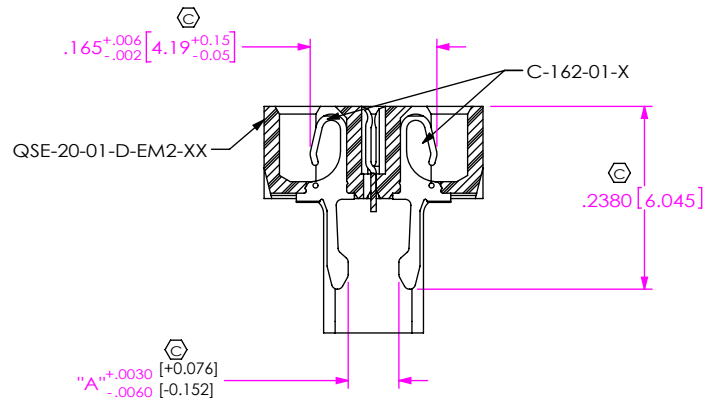F:\DWG\MISC\MKTG\QSE-XXX-01-X-D-EMX-XX-MKT.SLDDRW

C-162-01-X

QSE-20-01-D-EM2-XX

.165 +.006 -.002 [4.19 +0.15 -0.05]

.2380 [6.045]

"A" +.0030 -.0060 [+0.076] [-0.152]

SECTION "A"-"A"
.062[1.57] +/-.004 PCB

TABLE 2	
EDGE MOUNT THICKNESS	"A"
-EM2	.0660 [1.676]
-EM3	.0920 [2.338]

samtec

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

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:
.8mm EDGE MOUNT HS SOCKET ASSEMBLY

DWG. NO.
QSE-XXX-01-X-D-EMX-XX

BY: DEAN P   5/24/2000   SHEET 3 OF 3

F:\DWG\MISC\MKTG\QSE-XXX-01-X-D-EMX-XX-MKT.SLDDRW