REVISION Y

DO NOT
SCALE FROM
THIS PRINT

TABLE 3

No. OF POS	"C"
-019	.950 [24.13]
-038	1.450 [36.83]
-057	1.950 [49.53]
-076	2.450 [62.23]
-095	2.950 [74.93]
-114	3.450 [87.63]
-133	3.950 [100.33]

TABLE 2

No OF POSITIONS	COPLANARITY
-019, 038, -057, -076	.004[0.10]
-095, -114, -133	.006[0.15]

MIT-XXX-XX-X-D-XX

No OF POSITIONS
-019, -038, -057, -076,
**-095, **-114, **-133
(PER ROW)
(** = SEE NOTE 11)

LEAD STYLE
-01: .1680[4.267]
-02: .2861[7.267]
-03: .4042[10.267]
-04: .6000[15.240]
-05: .7080[17.983]
-06: .8350[21.209]

OPTION
-K: POLYAMIDE FILM PAD
(USE K-DOT-.276-.375-.005, SEE FIG 3, SHT 2)
-TR: TAPE & REEL (076 POS MAX)
(N/A ON STYLE -05, -06, -07 & -08)

ROW SPECIFICATION
-D: DOUBLE (USE MIT-19-XX-D-XX
& MITH-19-XX-D-XX)

No OF BANKS

PLATING SPECIFICATION
-F: 3µ" FLASH SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
(USE T-1SXX-XX-F & T-1G5-XX-F) (SEE NOTE 10)
-L: 10µ" LIGHT SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
(USE T-1SXX-XX-L & T-1G5-XX-L)
-H: 30µ" HEAVY GOLD IN CONTACT AREA, 3µ" GOLD ON TAIL
(USE T-1SXX-XX-H & T-1G5-XX-L)
-C: 50µ" ELECTRO-POLISHED SELECTIVE GOLD IN CONTACT AREA,
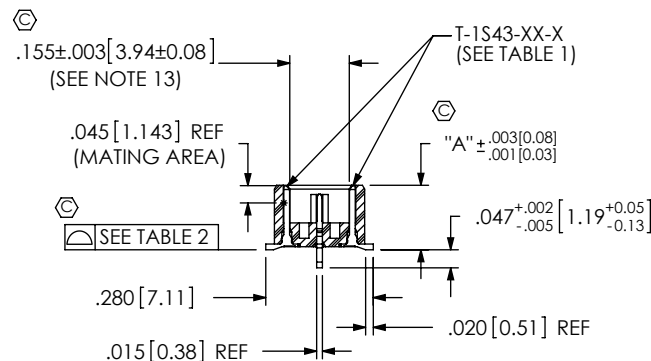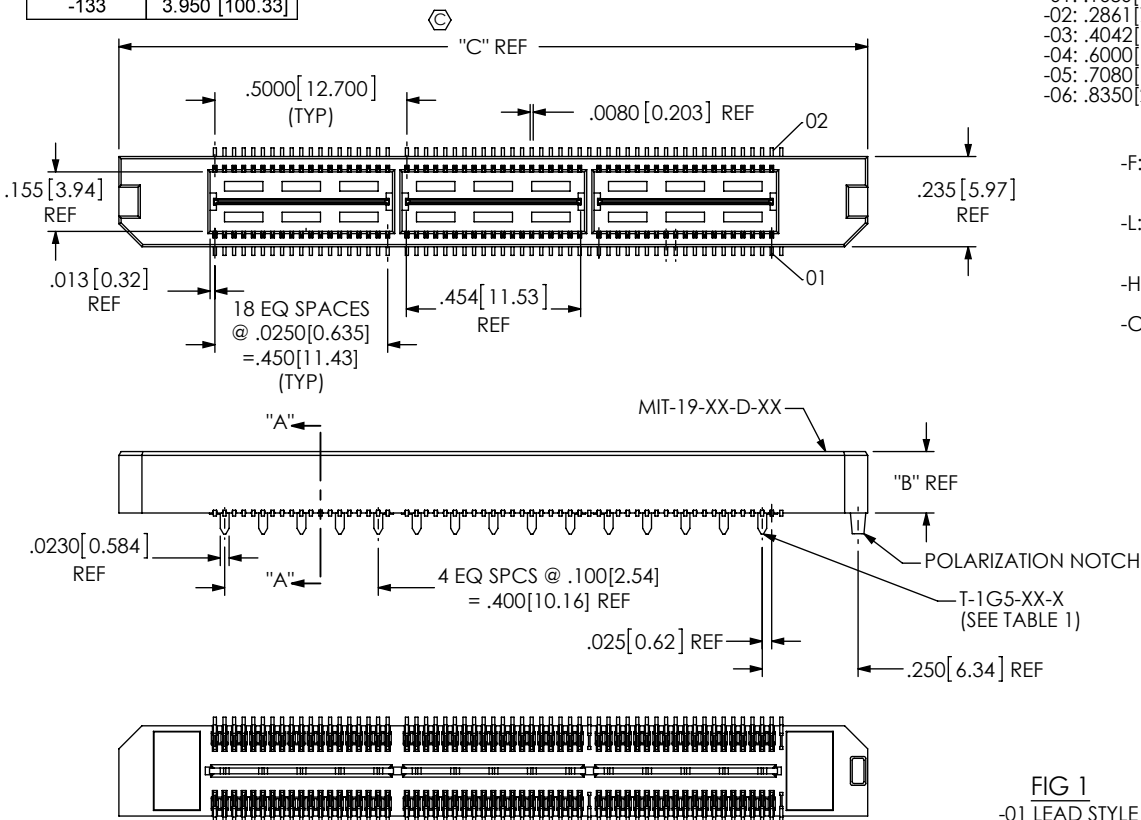MATTE TIN ON TAIL (USE T-1SXX-XX-C &T-1G5-XX-L)

"C" REF

.5000[12.700]
(TYP)

.0080[0.203] REF

02

.155[3.94]
REF

.235[5.97]
REF

.013[0.32]
REF

18 EQ SPACES
@ .0250[0.635]
=.450[11.43]
(TYP)

.454[11.53]
REF

01

MIT-19-XX-D-XX

"B" REF

.155±.003[3.94±0.08]
(SEE NOTE 13)

T-1S43-XX-X
(SEE TABLE 1)

"A"

.0230[0.584]
REF

"A"

4 EQ SPCS @ .100[2.54]
= .400[10.16] REF

.025[0.62] REF

.250[6.34] REF

POLARIZATION NOTCH

T-1G5-XX-X
(SEE TABLE 1)

.045[1.143] REF
(MATING AREA)

SEE TABLE 2

.280[7.11]

.015[0.38] REF

"A" +.003[0.08] -.001[0.03]

.047 +.002 -.005 [1.19 +0.05 -0.13]

.020[0.51] REF

FIG 1
-01 LEAD STYLE
(MIT-057-01-X-D SHOWN)
(STYLE -01 & -02 ONLY)

SECTION "A"-"A"

TABLE 1

STYLE	"A"	"B"	"D"	BODY	TERMINAL	GROUND PLANE	SPACER	MATED HEIGHT WITH MIS-01
-01	.1680[4.267]	.1600[4.064]	N/A	MIT-19-01-D-XX	T-1S43-01-X	T-1G5-01-X	N/A	.198[5.03] REF
-02	.2861[7.267]	.2781[7.064]	N/A	MIT-19-02-D-XX	T-1S43-02-X	T-1G5-02-X	N/A	.316[8.03] REF
-03	.4042[10.267]	.3962[10.063]	0.1180[2.997]	MIT-19-02-D-XX	T-1S50-03-X	T-1G5-03-X	MITH-19-01-D-XX	.434[11.02] REF
-04	.6000[15.240]	.5920[15.037]	0.1180[2.997]	MIT-19-02-D-XX	T-1S50-04-X	T-1G5-04-X	MITH-19-01-D-XX	.630[16.00] REF
-05	.7080[17.983]	.7000[17.780]	0.2780[7.061]	MIT-19-02-D-XX	T-1S50-05-X	T-1G5-05-X	MITH-19-02-D-XX	.738[18.75] REF
-06	.8350[21.209]	.8270[21.006]	0.2780[7.061]	MIT-19-02-D-XX	T-1S50-06-X	T-1G5-06-X	MITH-19-02-D-XX	.866[22.00] REF

NOTES:
1. Ⓒ REPRESENTS A CRITICAL DIMENSION.
2. COPLANARITY: SEE TABLE 2.
3. MAXIMUM BURR ALLOWANCE: .0015[0.038] .
4. MINIMUM TERMINAL RETENTION: 8 OZ.
5. MINIMUM GROUND PLANE RETENTION: 1 LB.
6. MAXIMUM ALLOWABLE BOW: .002[0.05] INCH/INCH AFTER ASSEMBLY.
7. PARTS TO BE MOLDED TO POSITION.
8. NOTE DELETED.
9. NOTE DELETED.
10. -L PLATING CAN BE SUBSTITUTED FOR -F PLATING,
-L PLATED GROUND PLANE CAN BE SUBSTITUTED FOR -F PLATED GROUND PLANE.
11. APPLICATIONS REQUIRING THESE POSITIONS, PLEASE CONTACT
SAMTEC INTERCONNECT PROCESSING GROUP.
12. PARTS TO BE PACKAGED IN TRAYS.
13. PIN CAN EXTEND PAST WALL .003[0.08] MAX.

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

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

MATERIAL: DO NOT SCALE DRAWING   SHEET SCALE: 2:1

INSULATOR: LCP, UL94V-0; COLOR: BLACK
TERMINAL: PHOS BRONZE
GROUND PLANE: PHOS BRONZE

DESCRIPTION:
.635mm DOUBLE ROW HS TERMINAL ASSEMBLY

DWG. NO.
MIT-XXX-XX-X-D-XX

BY: DEAN P   7/7/1999   SHEET 1 OF 2

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

.235[5.97]
REF

02

.265[6.73]
REF

01

"B"

MIT-19-02-D-XX

"D" REF
(SEE TABLE 1, SHT 1)

.278[7.07] REF

MITH-19-XX-D-XX

"B"

T-1G5-XX-X

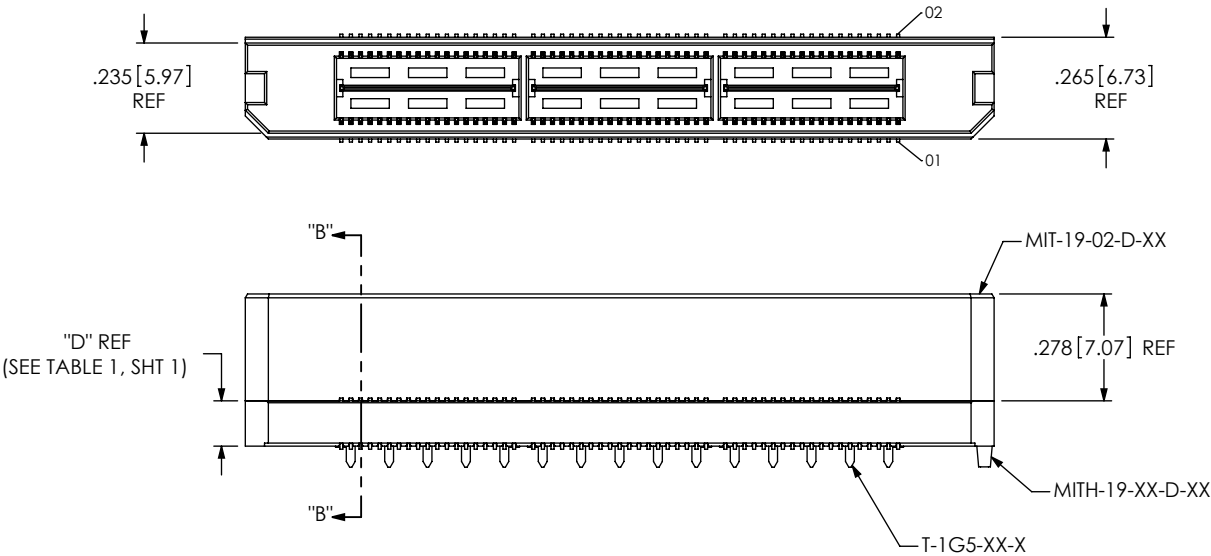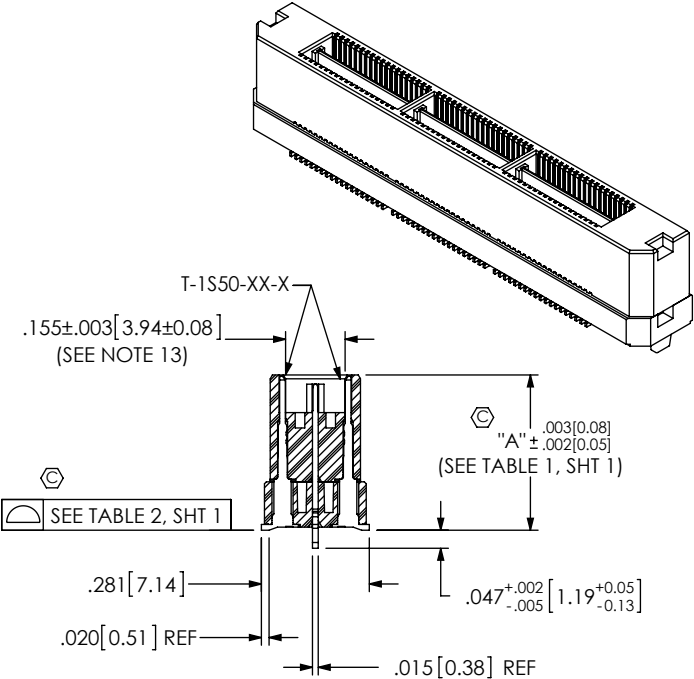FIG 2
-03 LEAD STYLE
(MIT-057-03-X-D SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(STYLE -03, -04, -05, & -06)

T-1S50-XX-X

.155±.003[3.94±0.08]
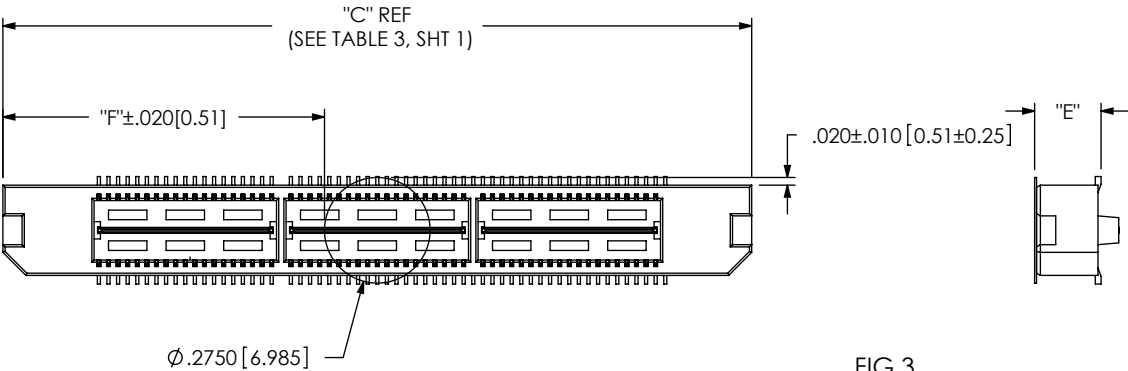(SEE NOTE 13)

"A" ± $^{.003[0.08]}_{.002[0.05]}$
(SEE TABLE 1, SHT 1)

SEE TABLE 2, SHT 1

.281[7.14]

.020[0.51] REF

$.047^{+.002}_{-.005}[1.19^{+0.05}_{-0.13}]$

.015[0.38] REF

SECTION "B"-"B"

"C" REF
(SEE TABLE 3, SHT 1)

"F"±.020[0.51]

.020±.010[0.51±0.25]

"E"

Ø.2750[6.985]

FIG 3
-K: POLYAMIDE FILM PAD OPTION

TABLE 4	
STYLE	"E"
-01	.173[4.39]
-02	.291[7.39]
-03	.409[10.39]
-04	.605[15.37]
-05	.713[18.11]
-06	.841[21.36]

TABLE 5	
No. OF POS	"F"
-019	.338 [8.57]
-038	.588 [14.92]
-057	.838 [21.27]
-076	1.088 [27.62]
-095	1.338 [33.97]
-114	1.588 [40.32]
-133	1.838 [46.67]

CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE	
ASSEMBLY OPERATION	IN PROCESS INSPECTION
FILL T-1SXX	C1, C2, C3, C4, C5, C6
ADD -K OPTION	C7, C8

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
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e-Mail: info@SAMTEC.com   code: 55322

DESCRIPTION:
.635mm DOUBLE ROW HS TERMINAL ASSEMBLY

DWG. NO.
MIT-XXX-XX-X-D-XX

BY: DEAN P   7/7/1999   SHEET 2 OF 2

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