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TABLE 1							MATED HEIGHT WITH QSH-01
STYLE	"A"	"B"	BODY (-LC)	BODY (-A)	GROUND PLANE	TERMINAL	
-01	.1680[4.267]	.1600[4.064]	QTH-30-01-D-XX	QTH-30-01-D-XX-A	T-1G1-01-X	T-1S39-01-X	.197[5.00] REF
-02	.2861[7.267]	.2781[7.064]	QTH-30-02-D-XX	QTH-30-02-D-XX-A	T-1G1-02-X	T-1S59-02-X	.315[8.00] REF

QTH-XXX-XX-X-D-XX

No OF POSITIONS

-030, -060, -090, -120, -150 (PER ROW)

LEAD STYLE

- 01: .1680[4.267]
- 02: .2861[7.264]
- 03: .4043[10.269]
- 04: .6001[15.246]
- 05: .7181[18.240] **Height**
- 06: .8361[21.237]
- 07: .9542[24.237]
- 08: 1.1511[29.238]
- 09: .5224[13.269]

= SEE TABLE 4

PLATING SPECIFICATION

- F: FLASH SELECTIVE GOLD (USE T-1SXX-XX-F & T-1GXX-XX-F) (SEE NOTE 7)
- L: LIGHT SELECTIVE GOLD (USE T-1SXX-XX-L & T-1GXX-XX-G)
- H: HEAVY GOLD (USE T-1SXX-XX-H & T-1GXX-XX-G)

OPTION

- LC: LOCKING CLIPS (USE LC-08-TM-01) [AC]
- A: ALIGNMENT PINS (USE QTH-30-XX-D-XX-A FOR -01 & -02) (FOR -03 THRU -09 SEE TABLE 4)
- K: POLYIMIDE FILM (USE K-500-300) (AVAILABLE ON -01 THRU -04 & -09 ONLY) (SEE FIG. 2, SHEET 2)
- TR: TAPE & REEL (90 POS MAX) (60 POS MAX W/ -GP OPTION) (N/A ON -05 THRU -08)
- GP: GUIDE POSTS (AVAILABLE ON -01 & -02 ONLY) (USE QTH-30-XX-D-XX-X-GP) (SEE FIG. 7, SHEET 4)
- TY: TRAY PACKAGING (NOT AVAILABLE FOR -02 GP)
- FL: FRICTION LOCKS (SEE FIG. 8, SHEET 4) (ONLY AVAILABLE ON -01 & -02) (NOT AVAILABLE WITH -GP)

ROW SPECIFICATION

- D: DOUBLE (USE QTH-30-XX-D-XX & QTH-30-XX-D-XX)

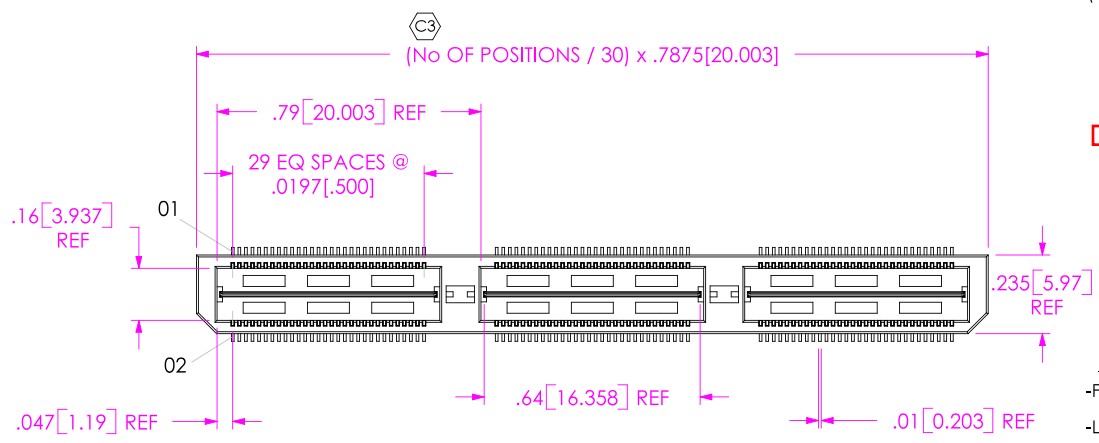
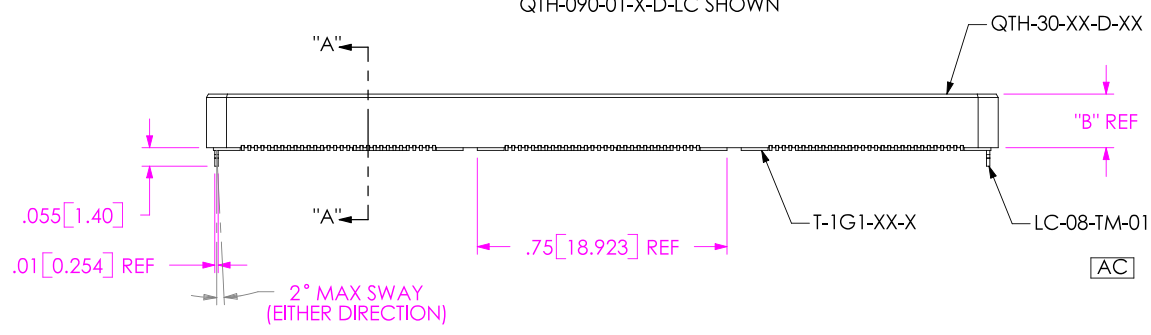
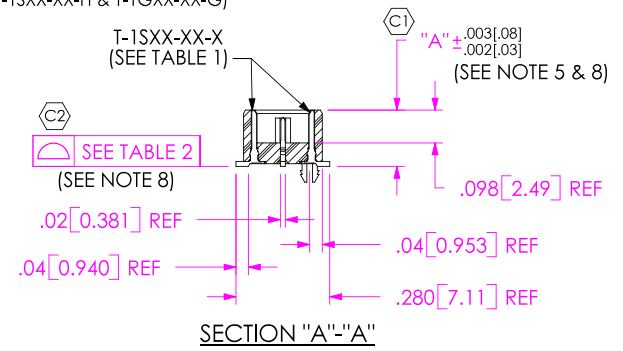


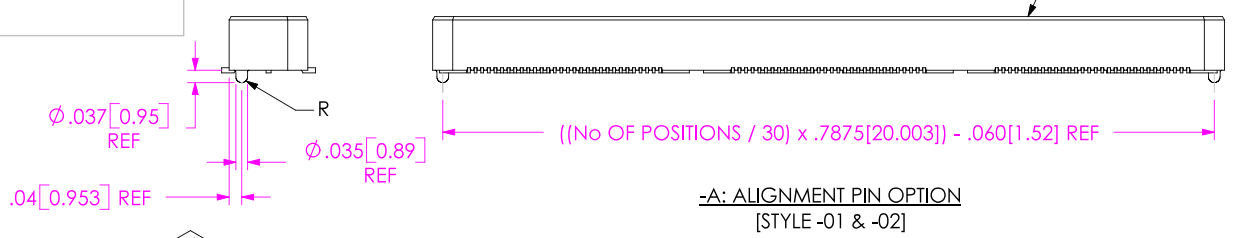
FIG. 1  
QTH-090-01-X-D-LC SHOWN



-LC: LOCKING CLIP OPTION SHOWN



SECTION "A"- "A"



-A: ALIGNMENT PIN OPTION  
[STYLE -01 & -02]

NOTES:

1. (C) REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: 6 OZ FOR -01 & -02, 8 OZ FOR -03 THRU -09.
3. MINIMUM GROUND PLANE RETENTION: 1 LB.
4. PARTS TO BE MOLDED TO POSITION.
5. MAXIMUM VARIANCE OF .002[.05]. APPLIES TO SIGNAL OR GROUNDS INDEPENDENT OF THE GROUND OR SIGNAL PINS RESPECTIVELY.
6. LEAD STYLES -03 THRU -08: TOP BODY (QTH) CANNOT HAVE -A OPTION.
7. -L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
- G PLATED GROUND PLANE CAN BE SUBSTITUTED FOR -F PLATED GROUND PLANE.
8. GROUND PLANE PRESS HEIGHT MUST BE .003 [.07] LESS THAN THE MAXIMUM HEIGHT OR .002[.03] GREATER THAN THE MINIMUM HEIGHT OF SIGNAL PIN.

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

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TABLE 2	
No OF POSITIONS	COPLANARITY (INCLUDING GP)
-030 THRU -060	.004 [.10]
-090 THRU -150	.006 [.15]

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1.75:1  
INSULATOR: LCP, COLOR: BLACK  
TERMINAL & GROUND PLANE: PHOS BRONZE

DESCRIPTION: .5mm DOUBLE ROW HS TERMINAL ASSEMBLY  
DWG. NO. QTH-XXX-XX-X-D-XX

BY: DEAN P 5/27/1999 SHEET 1 OF 4

NOTE: "R" = (No OF POSITIONS / 30) x .7875[20.003]  
 "S" = (("R" - .275[6.99]) / 2) ±.020[.51]

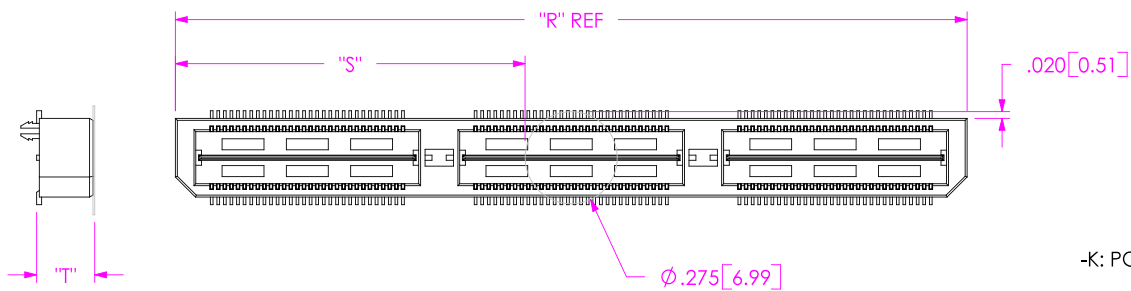
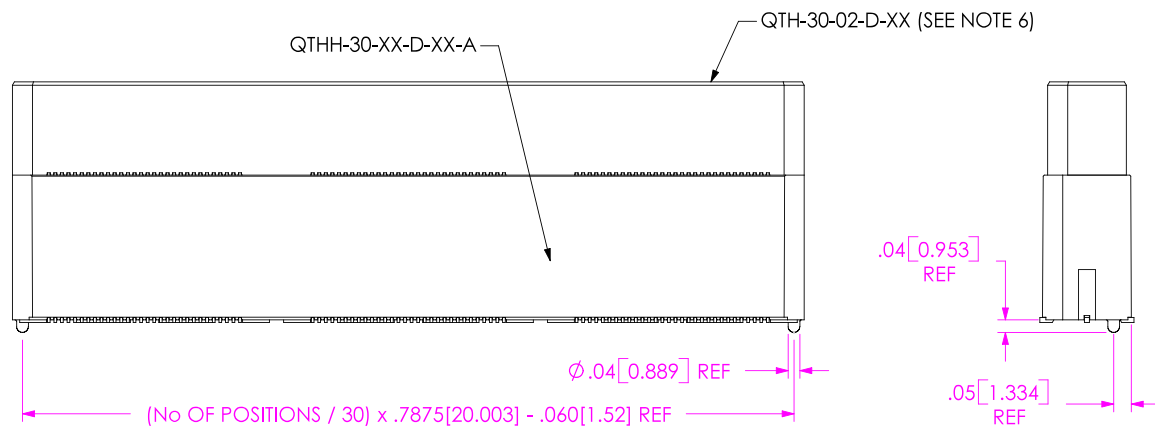


TABLE 3	
STYLE	"T"
-01	.173[4.39]
-02	.291[7.39]
-03	.409[10.39]
-04	.605[15.37]
-09	.527[13.39]

**FIG. 2**

-K: POLYAMIDE FILM PAD OPTION  
 [USE K-500-300]



**FIG. 3**

-A: ALIGNMENT PIN OPTION  
 (QTH-090-05-X-D-A SHOWN)  
 [DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1]  
 (STYLES -03 THRU -09, SEE TABLE 4)

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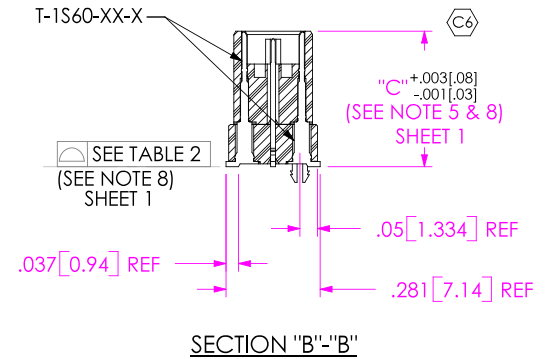
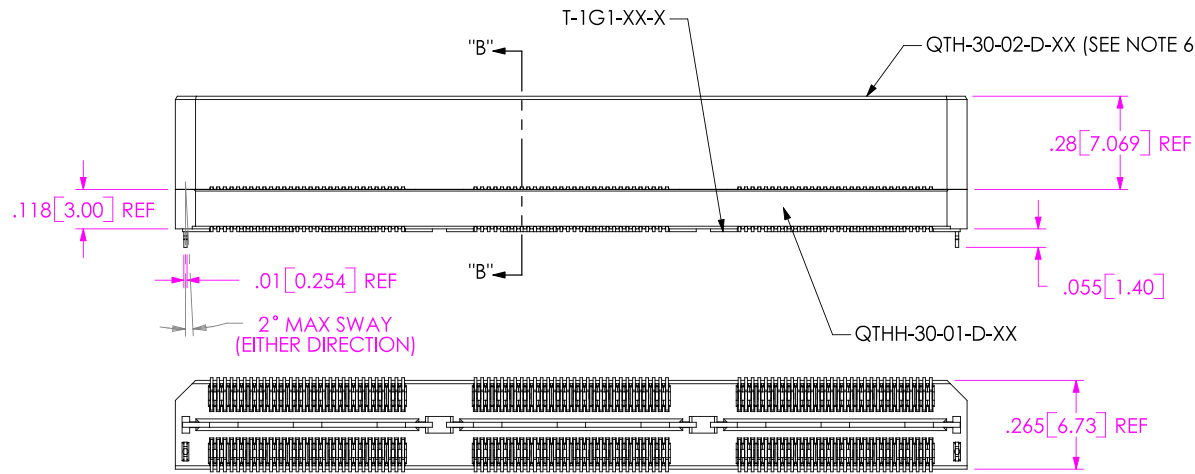
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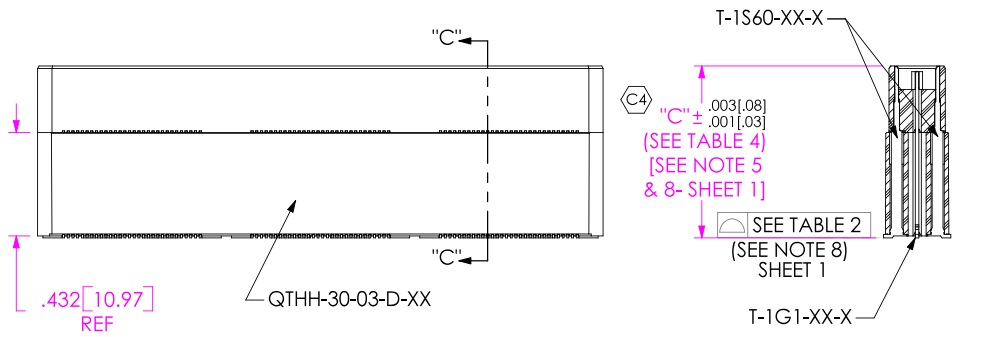
DWG. NO. **QTH-XXX-XX-X-D-XX**

BY: DEAN P 5/27/1999 SHEET 2 OF 4

TABLE 4								MATED HEIGHT WITH QSH-01
STYLE	SEE FIGURE	"C" OVERALL HEIGHT	GROUND PLANE	TERMINAL	TOP BODY (SEE NOTE 6)	BOTTOM SPACER BODY (-LC OR NONE)	BOTTOM SPACER BODY (-A)	
-03	4	.4043 [10.269]	T-1G1-03-X	T-1S60-03-X	QTH-30-02-D-XX	QTHH-30-01-D-XX	QTHH-30-01-D-XX-A	.433 [11.00] REF
-04	4	.6001 [15.246]	T-1G1-04-X	T-1S60-04-X	QTH-30-02-D-XX	QTHH-30-01-D-XX	QTHH-30-01-D-XX-A	.630 [16.00] REF
-05	5	.7181 [18.240]	T-1G1-05-X	T-1S60-05-X	QTH-30-02-D-XX	QTHH-30-03-D-XX	QTHH-30-03-D-XX-A	.748 [19.00] REF
-06	5	.8361 [21.237]	T-1G1-06-X	T-1S60-06-X	QTH-30-02-D-XX	QTHH-30-03-D-XX	QTHH-30-03-D-XX-A	.866 [22.00] REF
-07	6	.9542 [24.237]	T-1G17-01-X	T-1S61-01-X	QTH-30-02-D-XX	QTHH-30-04-D-XX	QTHH-30-04-D-XX-A	.984 [25.00] REF
-08	6	1.1511 [29.238]	T-1G17-02-X	T-1S61-02-X	QTH-30-02-D-XX	QTHH-30-04-D-XX	QTHH-30-04-D-XX-A	1.181 [30.00] REF
-09	4	.5224 [13.269]	T-1G1-09-X	T-1S60-09-X	QTH-30-02-D-XX	QTHH-30-01-D-XX	QTHH-30-01-D-XX-A	.551 [14.00] REF

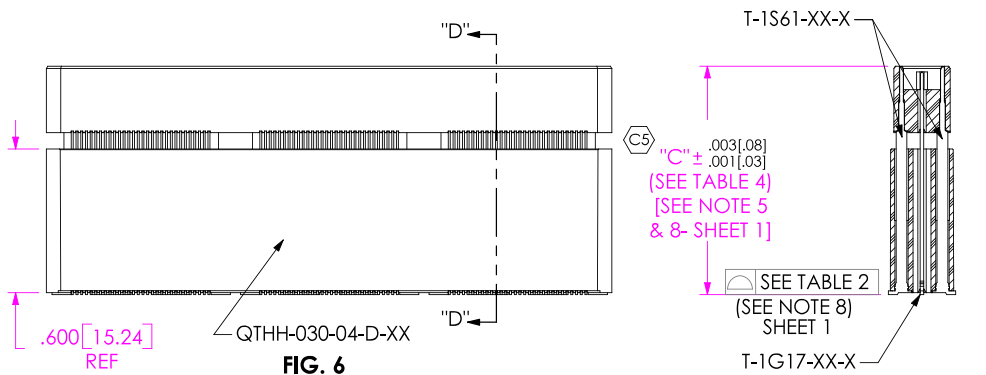


**FIG. 4**  
(QTH-090-03-X-D-LC SHOWN)  
[DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1]



**FIG. 5**  
(QTH-090-05-X-D SHOWN)  
[DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 3]

SECTION "C"- "C"  
SCALE 1.25 : 1



**FIG. 6**  
(QTH-090-07-X-D SHOWN)  
[DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 3]

SECTION "D"- "D"  
SCALE 1.25 : 1

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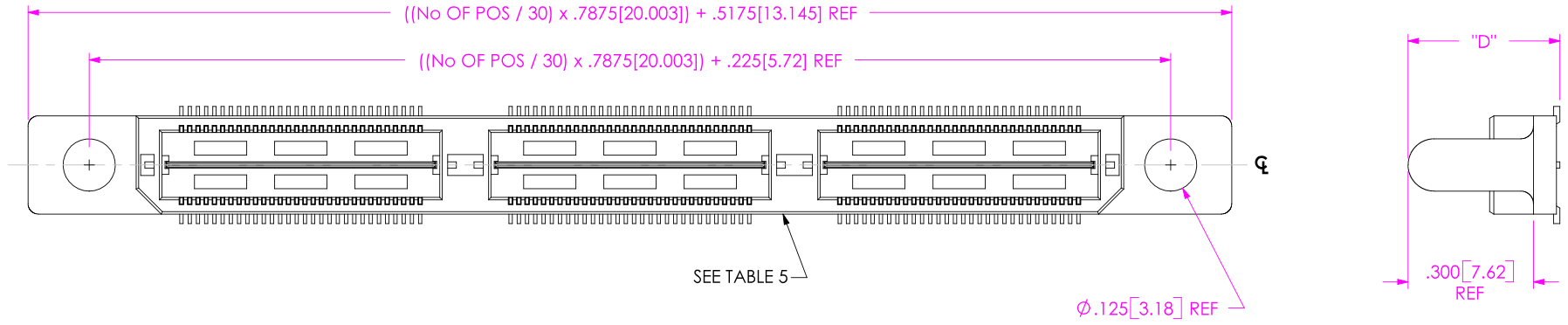
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**FIG. 7**

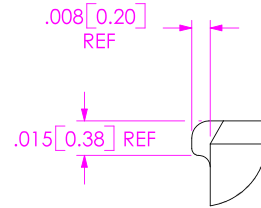
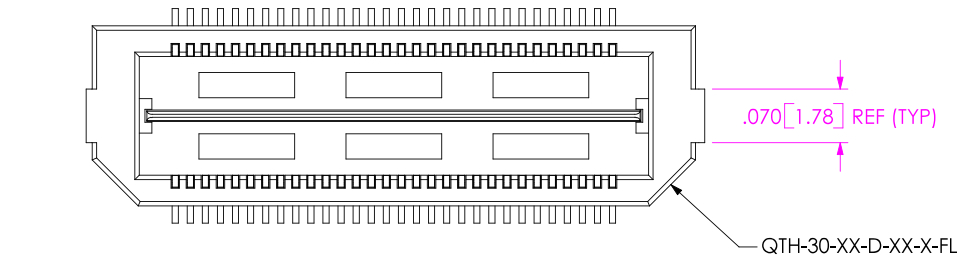
(QTH-090-01-X-D-GP SHOWN)  
 [DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1]  
 (AVAILABLE ON -01 & -02 ONLY)

TABLE 5		
STYLE	"D"	BODY
-01	.363[9.22]	QTH-30-01-D-XX-X-GP
-02	.481[12.22]	QTH-30-02-D-XX-X-GP

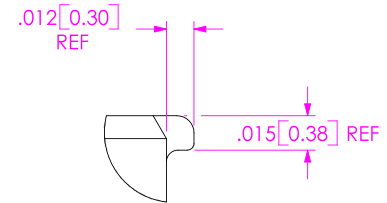


**FIG. 8**

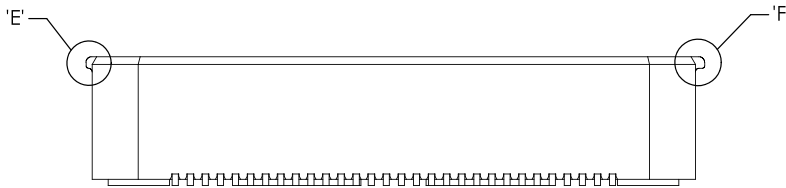
-FL: FRICTION LOCKS  
 (ONLY AVAILABLE ON -01 & -02 LEAD STYLES)  
 (NOT AVAILABLE WITH -GP OPTION)  
 (SAME AS FIG. 1, UNLESS OTHERWISE STATED)



DETAIL 'E'  
SCALE 12:1



DETAIL 'F'  
SCALE 12:1



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