



# REVISION AQ

DO NOT  
SCALE FROM  
THIS PRINT

## NOTES:

1.  REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM CONTACT RETENTION: 12 OZS.
3. MINIMUM LOCKING CLIP RETENTION: 8 OZS.
4. MAXIMUM HEIGHT VARIATION BETWEEN ANY TWO PINS: .005[0.13].
5. MAXIMUM TERMINAL BURR: .003[0.08].
6. COPLANARITY: .004[0.10] = POS 02 THRU 26  
.006[0.15] = POS 27 THRU 50. 
7. MEASURED FROM BEND.
8. MEASURE FROM TIPS OF PIN.
9. SIDES OF PLASTIC BODIES ON ALL LEAD STYLES EXCEPT THE -01 & -02 WILL BE SOLID AND WITHOUT SIDE SLOTS.
10. NOTE DELETED.
11. 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.
12. NOTE DELETED.
13. NOT ALL PARTS FOLLOW EIA-481 ORIENTATION IN THE T&R POCKET.
14. NOTE DELETED.
15. NOTE DELETED.
16. TUBE IS STANDARD PACKAGING.
17. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
18. ATTACH LABEL TO EACH REEL.

TFC-1XX-XX-XX-D-XX-X-XX

## NO OF POSITIONS

LEAD STYLE -01, -02: -02 THRU -50 (ALL POSITIONS AVAILABLE)  
LEAD STYLES -11, -12: (-05 THRU -50 MULTIPLES OF 5) POSITIONS -12, -16, -17 ALSO AVAILABLE  
LEAD STYLES -21, -22: (-05 THRU -50 MULTIPLES OF 5) POSITIONS -12 & -13 ALSO AVAILABLE  
LEAD STYLES -31, -32: (-05 THRU -50 MULTIPLES OF 5) -12 POSITION ALSO AVAILABLE

## LEAD STYLE

THROUGH HOLE	SURFACE MOUNT
-01 (SEE FIG 1)	-02 (SEE FIG 2, SHT 2)
-11 (SEE FIG 1)	-12 (SEE FIG 2, SHT 2)
-21 (SEE FIG 1)	-22 (SEE FIG 2, SHT 2)
-31 (SEE FIG 1)	-32 (SEE FIG 2, SHT 2)

(SEE TABLE 1, SHT 3)

## PACKAGING

-BLANK: TUBES (SEE NOTE 16 & 17)  
-TR: TAPE AND REEL (SEE FIG 4, SHT 4) (FOR -X2 ONLY) (NOT AVAILABLE WITH -RA) (SEE NOTE 13, 17 & 18)  
-FR: FULL REEL QTY. TAPE & REEL (FOR -X2 ONLY) (NOT AVAILABLE WITH -RA) (SEE NOTE 13, 17 & 18)

## PICK & PLACE OPTION

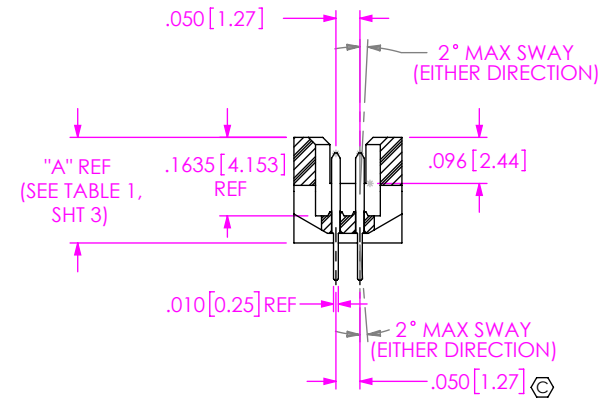
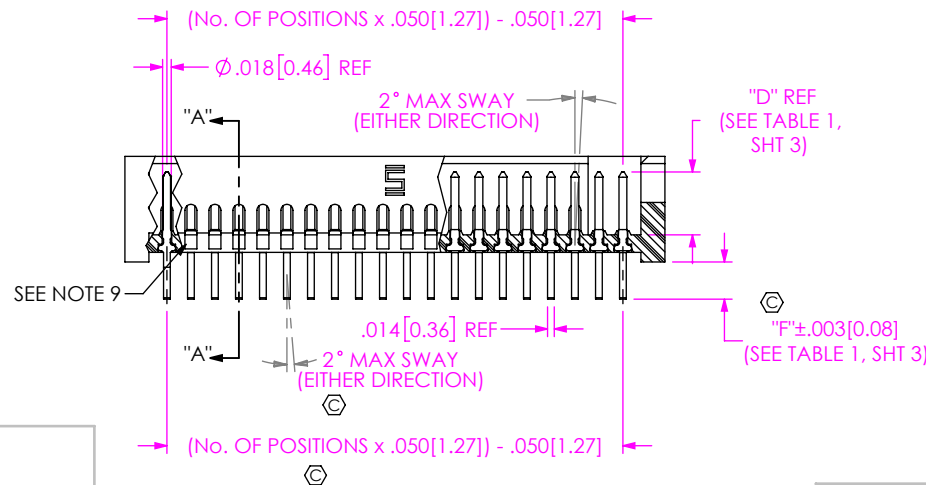
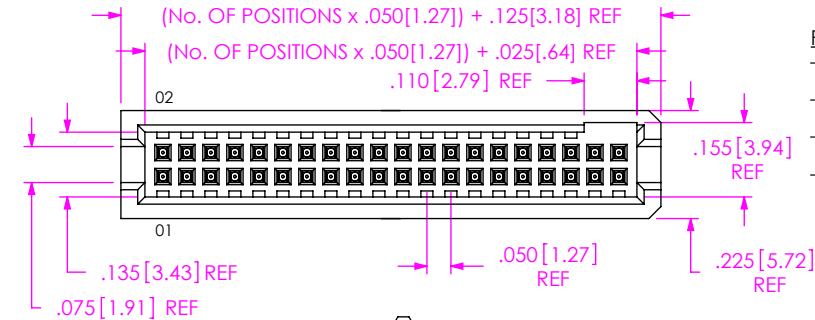
-P: PICK AND PLACE PAD (USE PPP-04) (AVAILABLE IN ALL POSITIONS -05 THRU -50) (NOT AVAILABLE WITH -RA) (SEE FIG 7, SHT 3)  
-K: POLYIMIDE FILM (SEE FIG 3, SHT 2) (ALL LEAD STYLES EXCEPT -21 AVAILABLE) (NOT AVAILABLE FOR -RA) (USE K-DOT-.217-.313-.005)

## OPTION

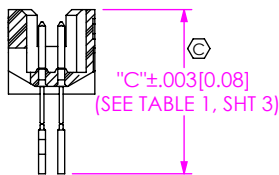
-A: ALIGNMENT PIN (USE TFM-XX-D-XX-A, SEE TABLE 1, SHT 3) (SEE FIG 5, SHT 3) (NOT AVAILABLE WITH -RA)  
-LC: LOCKING CLIP (USE LC-05-TM) (NOT AVAILABLE WITH -RA) (SEE FIG 6, SHT 3, NOTE 3 & 11)  
-RA: RIGHT ANGLE (AVAILABLE ONLY IN LEAD STYLE: -01) (SEE FIG 8, SHT 2)

## BODY SPECIFICATION

-D: DOUBLE ROW



## SECTION "A"-"A"



IN-PROCESS

FIG 1  
THROUGH HOLE  
-01, -11, -21, -31

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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MATERIAL: DO NOT SCALE DRAWING

INSULATOR:  
LCP, UL 94-V0  
COLOR: BLACK

TERMINAL: PHOSPHOR BRONZE

F:\DWG\MISC\MKTG\TFC-1XX-XX-XX-D-XX-X-XX-MKT.SLDDRW

SHEET SCALE: 2.5:1

DESCRIPTION:

**samtec**

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

.050 X .050 TERMINAL STRIP

DWG. NO. **TFC-1XX-XX-XX-D-XX-X-XX**

BY: BRATCHER 05/25/2001 SHEET 1 OF 4

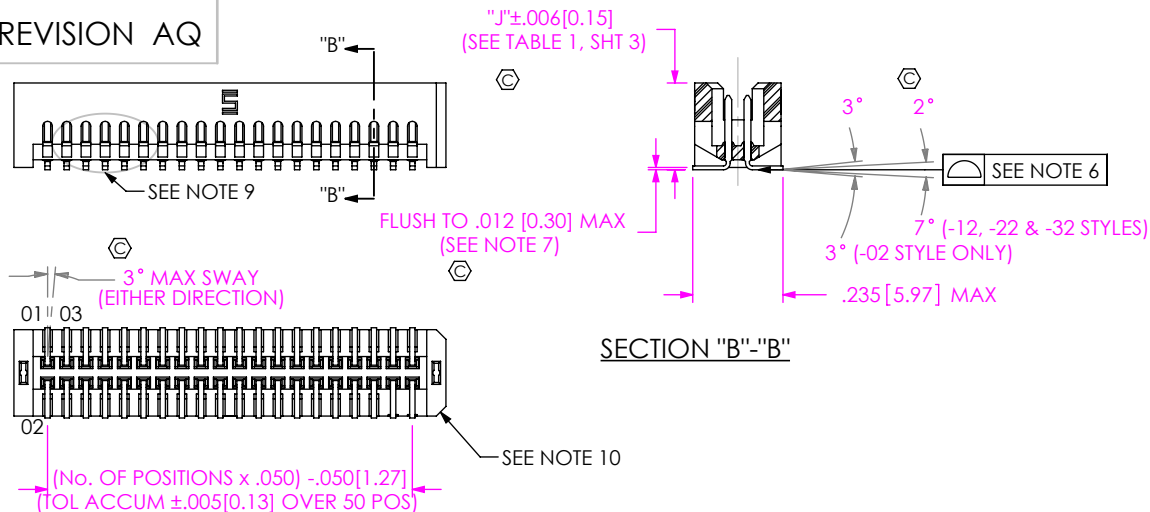


FIG 2

SURFACE MOUNT  
-02, -12, -22, -32

DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1

NOTE: "R" = OVERALL LENGTH (REF)  
"S" =  $\{ ("R" - .217 [5.49]) / 2 \} \pm .020 [0.51]$

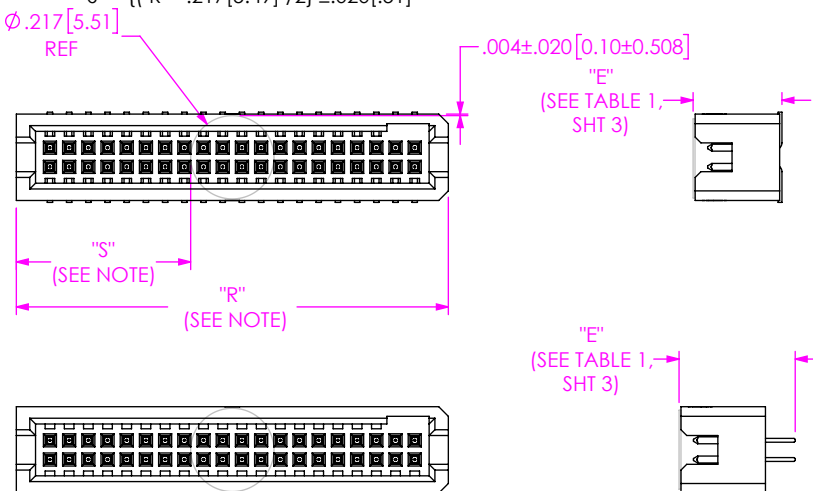


FIG 3

-K: POLYIMIDE FILM PAD

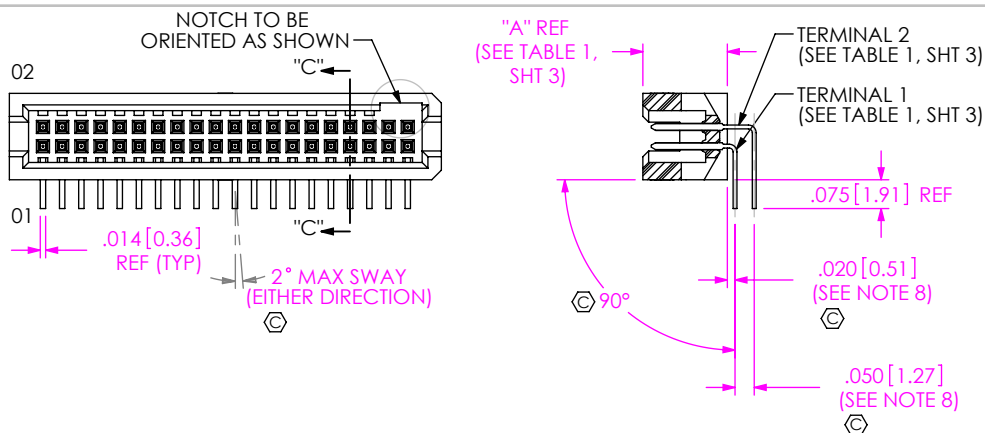
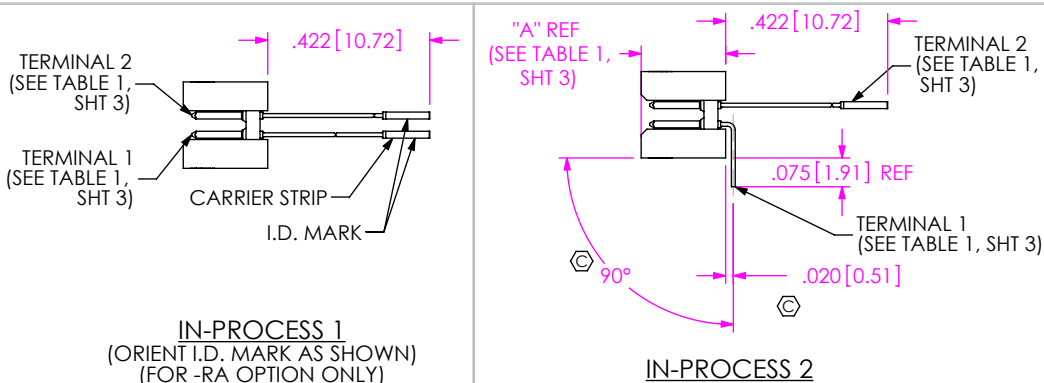


FIG 8

-RA OPTION

DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1



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DO NOT SCALE DRAWING

SHEET SCALE: 2:1

**samtec**

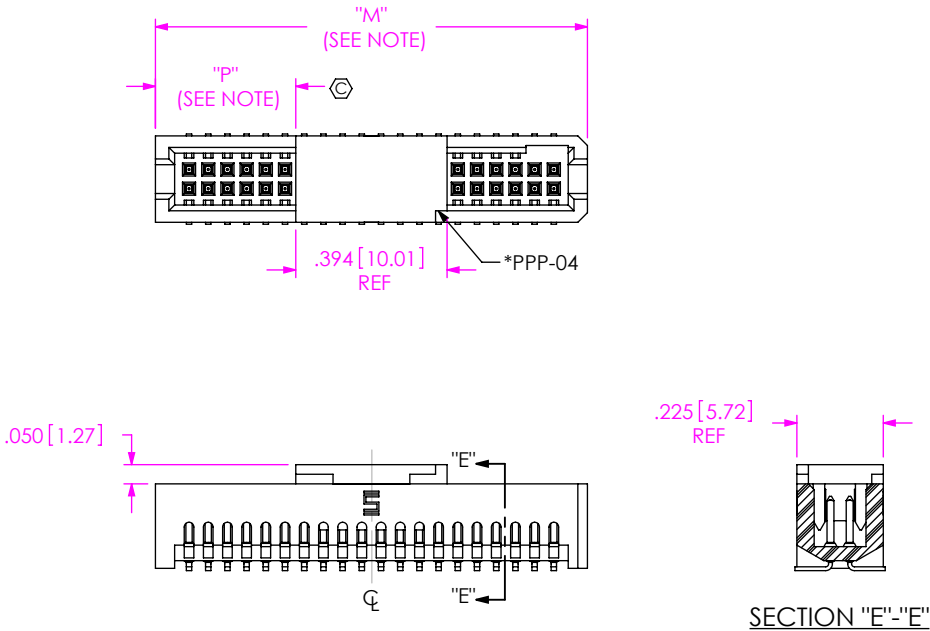
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
.050 X .050 TERMINAL STRIP

DWG. NO.  
**TFC-1XX-XX-XX-D-XX-X-XX**

BY: BRATCHER 05/25/2001 SHEET 2 OF 4

TABLE 1									
LEAD STYLE	BODY	"A"	TERMINAL 1	TERMINAL 2	"C"	"D"	"E"	"F"	"J"
-01	TFM-XX-D-01-XX	.2200 [5.588]	T-1R16-01-XX-2	N/A	.428 [10.87]	.131 [3.33]	.303 [7.70]	.078 [1.98]	N/A
-11	TFM-XX-D-02-XX	.2900 [7.366]	T-1R20-03-XX	N/A	.645 [16.38]	.139 [3.53]	.375 [9.53]	.080 [2.03]	N/A
-21	TFM-XX-D-03-XX	.3600 [9.144]	T-1R20-04-XX	N/A	.645 [16.38]	.139 [3.53]	N/A	.080 [2.03]	N/A
-31	TFM-XX-D-04-XX	.4350 [11.049]	T-1R20-02-XX	N/A	.645 [16.38]	.139 [3.53]	.520 [13.21]	.080 [2.03]	N/A
-02	TFM-XX-D-01-XX	.2200 [5.588]	T-1R16-01-XX-2	N/A	.428 [10.87]	.131 [3.33]	.231 [5.87]	N/A	.226 [5.74]
-12	TFM-XX-D-02-XX	.2900 [7.366]	T-1R20-03-XX	N/A	.645 [16.38]	.139 [3.53]	.301 [7.65]	N/A	.296 [7.52]
-22	TFM-XX-D-03-XX	.3600 [9.144]	T-1R20-04-XX	N/A	.645 [16.38]	.139 [3.53]	.371 [9.42]	N/A	.366 [9.30]
-32	TFM-XX-D-04-XX	.4350 [11.049]	T-1R20-02-XX	N/A	.645 [16.38]	.139 [3.53]	.446 [11.33]	N/A	.441 [11.20]
-01-RA	TFM-XX-D-01-XX	.2200 [5.588]	T-1R16-02-XX	T-1R16-03-XX	N/A	.142 [3.61]	N/A	N/A	N/A



NOTE: "M" = (No. OF POS X .050[1.27]) + .125[3.18] (REF)  
"P" = {("M" - .394[10.01]) / 2} ±.020[.51]

\* NOTCH ON PAD TO BE ON SAME END  
AS THE NOTCH IN THE TFM BODY

FIG 7  
-P OPTION  
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1  
(PAD TO BE POSITIONED ON CL AS SHOWN)

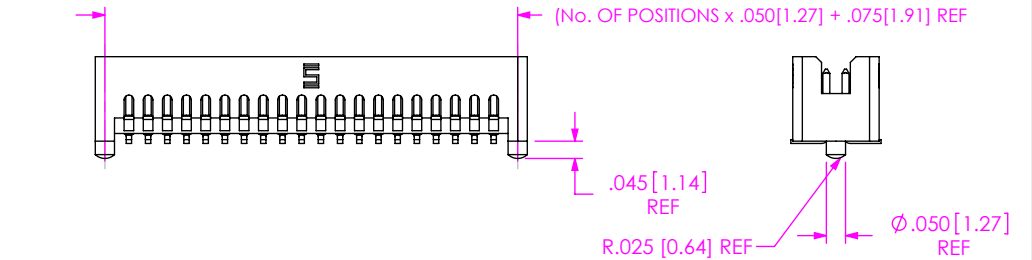


FIG 5  
-A OPTION  
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1

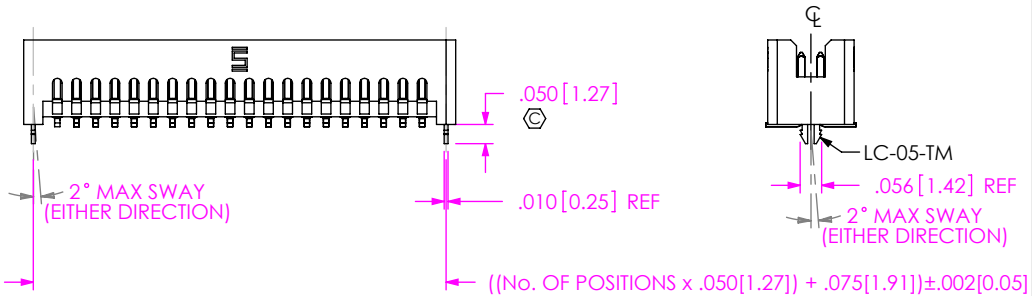


FIG 6  
-LC OPTION  
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1  
(NOT AVAILABLE ON -RA)

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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

DESCRIPTION:  
.050 X .050 TERMINAL STRIP

DWG. NO.  
TFC-1XX-XX-XX-D-XX-X-XX

BY: BRATCHER 05/25/2001 SHEET 3 OF 4

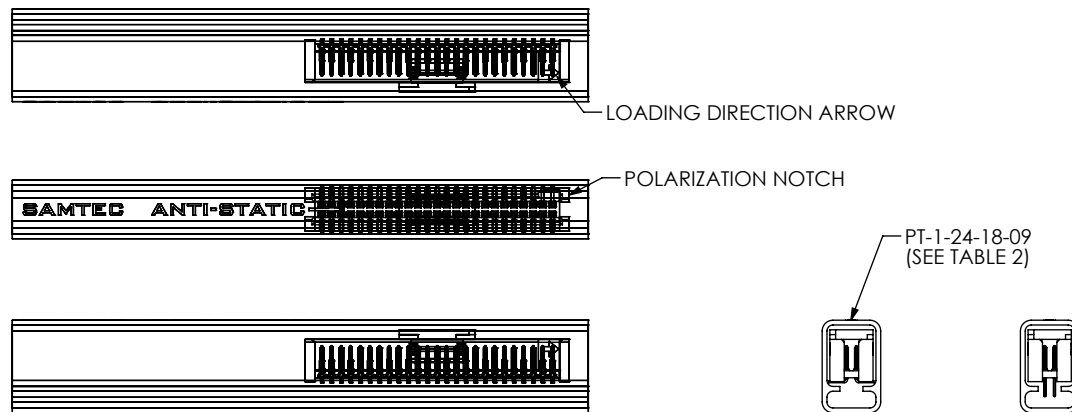


FIG 9  
PT-1-24-XX-09

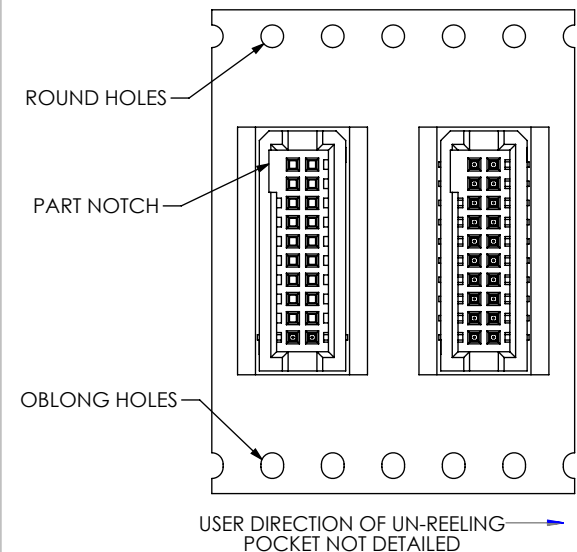


FIG 4  
-TR: TAPE AND REEL  
(SEE NOTE 13)

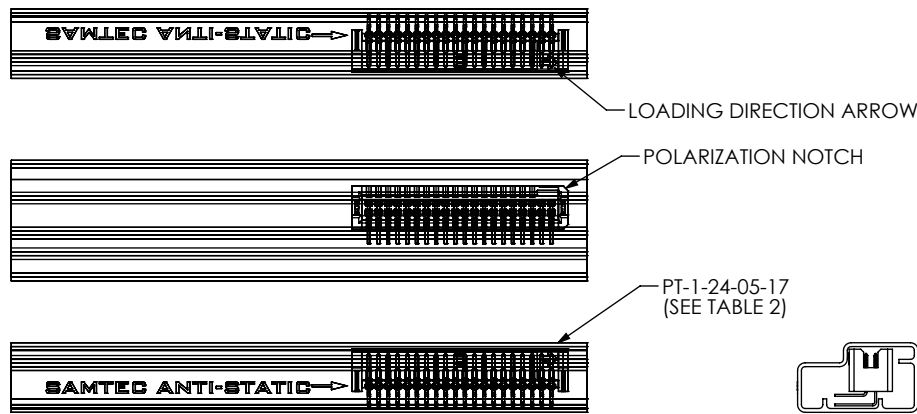


FIG 10  
PT-1-24-05-17

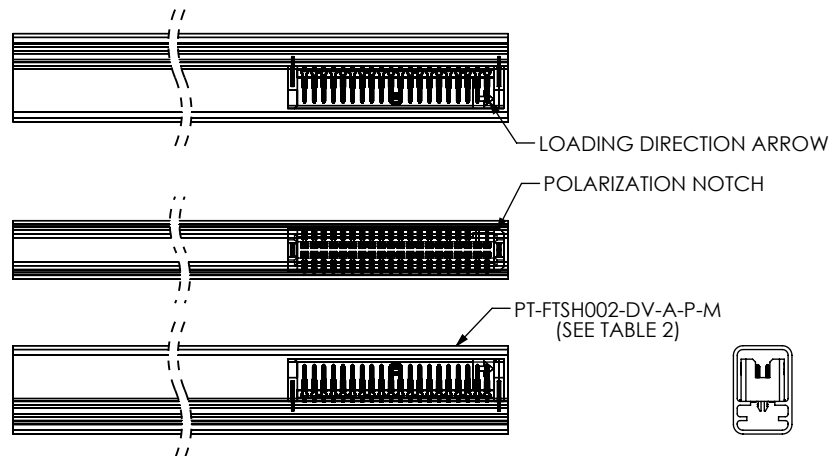


FIG 11  
PT-FTSH002-DV-A-P-M

TABLE 2			
LEAD STYLE	OPTION	TUBE	PLUG
-01	-K, -LC-K, -LC-P, -A-P, -A-K, -P, -WT-P	PT-1-24-18-09	TP-09
	BLANK, -A, -LC, -WT	PT-FTSH002-DV-A-P-M	TP-03
-01-RA	ANY	PT-1-24-5-17	TP-07
	BLANK, -A, -A-K, -LC, -LC-K, -K	PT-1-24-18-09	TP-09
-11	-A-P, -LC-P, -P	PT-1-24-20-09	TP-07
	BLANK, -A-P, -LC-P, -P	PT-1-24-05-09	TP-07
-21	-A, -A-K, -LC, -LC-K, -K	PT-1-24-20-09	TP-07
	BLANK, -A, -LC	PT-1-24-05-09	TP-07
-31	-A-K, -LC-K, -K, -A-P, -LC-P, -P	PT-1-24-02-09	TP-07
	BLANK, -A, -A-K, -LC	PT-FTSH002-DV-A-P-M	TP-03
-02	-LC-K, -K, -A-P, -LC-P, -P	PT-1-24-18-09	TP-09
	ANY	PT-1-24-04-09	TP-07
-12	ANY	PT-1-24-04-09	TP-07
	BLANK, -A, -A-K, -LC, -LC-K, -K	PT-1-24-04-09	TP-07
-22	-A-P, -LC-P, -P	PT-1-24-05-09	TP-07
	ANY	PT-1-24-02-09	TP-07
-32	ANY	PT-1-24-02-09	TP-07

NOTE:  
PARTS TO BE PACKAGED WITH THE LOADING DIRECTION ARROW  
POINTED IN SAME DIRECTION AS THE ARROW ON TUBE.

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