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**DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]**

**SERIES**  
 GRF1-: GRF 50 OHM CONNECTORS (SEE NOTE 7)  
 GRF7-: GRF 75 OHM CONNECTORS (SEE SHT2, TABLE 1)

\* = NOT RELEASED FOR PRODUCTION

**GRFX-J-P-XX-XX-RA-XXX-X**

**INSERT OPTIONS**  
 -E: #1-64 THRU HOLE  
 THREADED INSERT (SEE FIG 2, SHT 2)

**TERMINATION**  
 -TH1: THRU HOLE  
 \* -SM1: SURFACE MOUNT  
 \* -MT1: MIXED TECHNOLOGY (SEE SHT 2, TABLE 3)

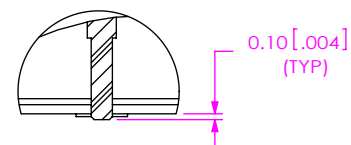
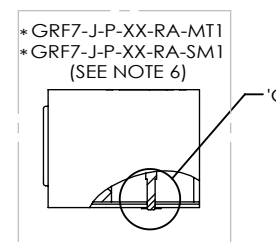
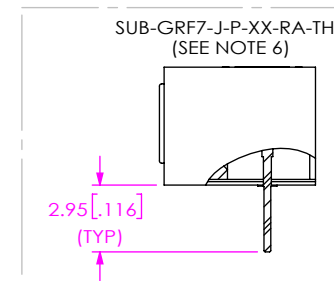
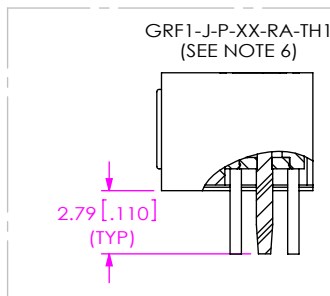
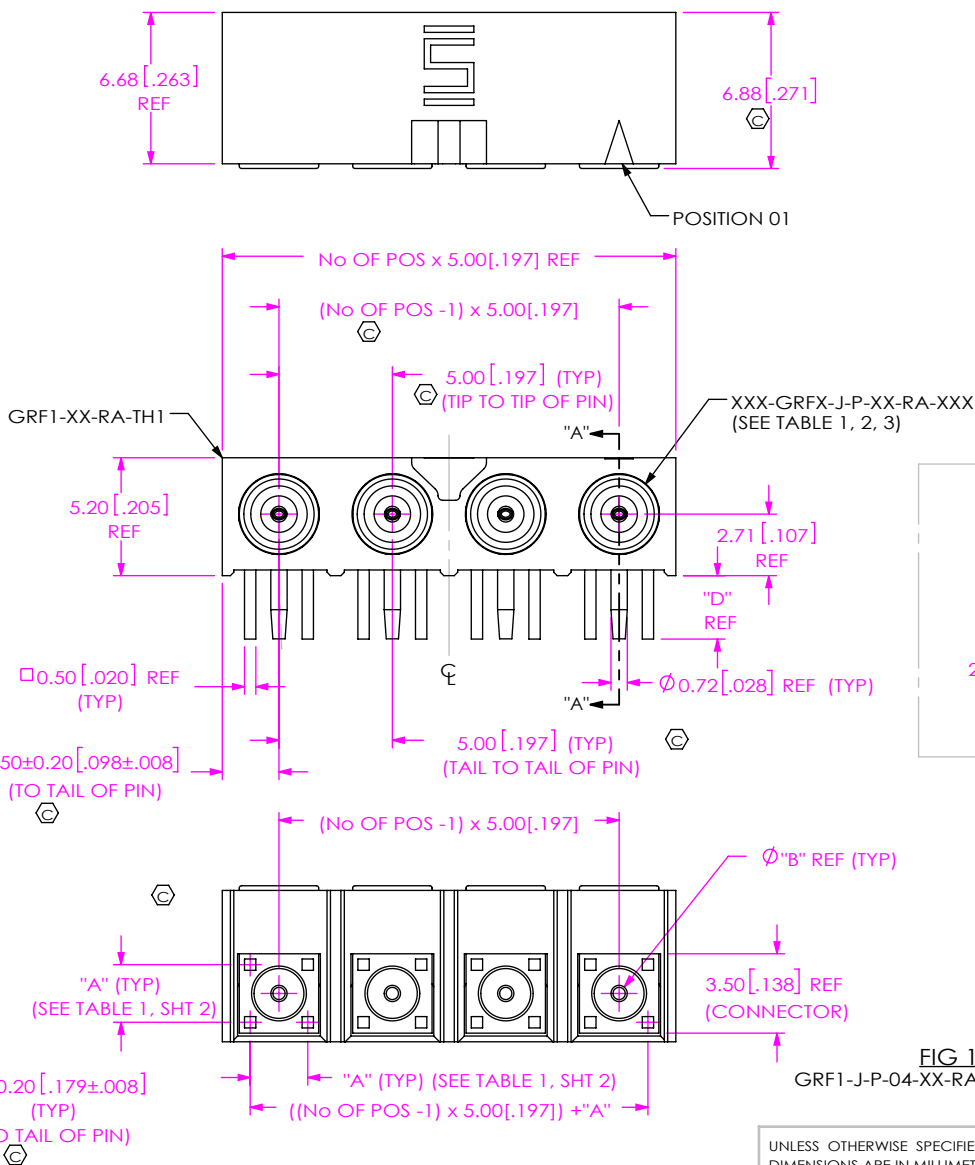
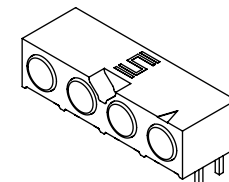
**ORIENTATION**  
 -RA: RIGHT ANGLE

**GENDER**  
 -J: JACK

**PCB**  
 -P: PCB MOUNT

**No OF POSITIONS**  
 -02, -04, -06, -08

**PLATING**  
 -E: 30μ" GOLD CENTER CONTACT, 3μ" GOLD OUTER CONTACT (GRF1 ONLY)  
 -HF: 30μ" GOLD CENTER CONTACT, 3μ" GOLD OUTER CONTACT (GRF7 ONLY)  
 -GF: 10μ" GOLD CENTER CONTACT, 3μ" GOLD OUTER CONTACT (SEE SHT 2, TABLE 2)



**DETAIL 'C'**  
 SCALE 8:1

**FIG 1**  
 GRF1-J-P-04-XX-RA-TH1 SHOWN

F:\dwg\sw\axisprod\assembly\rf\grf\grf1-j-p-xx-x-ra-th1-x\GRFX-J-P-XX-XX-RA-XXX-X-ASM.SLDDRW

**SECTION "A"- "A"**

**NOTES:**

1. REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: 2.22N [.5 LB].
3. NOTE DELETED.
4. ALL PIN TO PIN DIMENSIONS TO BE MEASURED FROM TIP TO TIP.
5. PART TO BE SYMMETRIC ABOUT CENTERLINE WITHIN 0.25 [.010].
6. SOME FEATURES NOT SHOWN FOR CLARITY.
7. PLATING CODE "-E" IS FOR GRF1 ONLY, EXISTING DESIGNATION, PLATING CODE "-HF" IS FOR GRF7 ONLY.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES ARE:  
 DECIMALS ANGLES  
 X.X: ±0.3 [.01] 5°  
 X.XX: ±0.13 [.005]  
 X.XXX: ±0.050 [.0020]

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**MATERIAL:**  
 BODY  
 INSULATOR: L.C.P. COLOR: BLACK  
 CONNECTORS  
 SHELL: BRASS  
 SOCKET: BeCu  
 INSULATOR: PTFE

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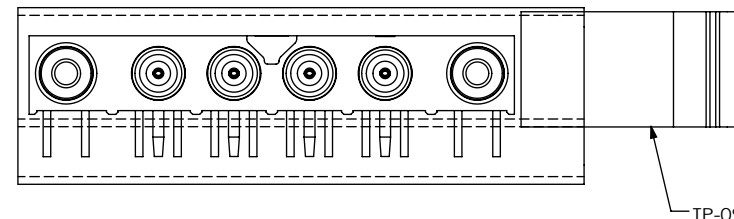
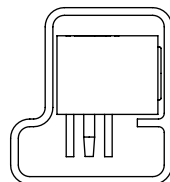
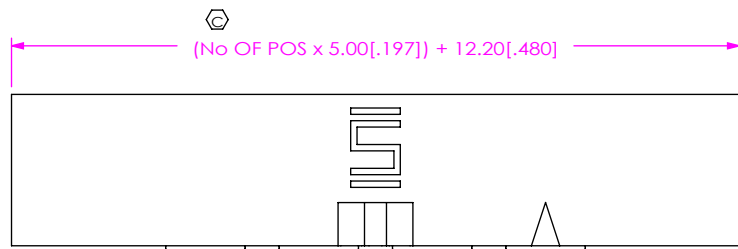
**DESCRIPTION:**  
 GANGED RF RA JACK CONNECTOR

**DWG. NO.**  
 GRFX-J-P-XX-XX-RA-XXX-X

**BY:** DEAN P 01/17/2006 SHEET 1 OF 3



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 e-Mail info@SAMTEC.com code 55322



PACKAGING VIEW  
TUBE: PT-1-24-01-45  
PLUG: TP-09

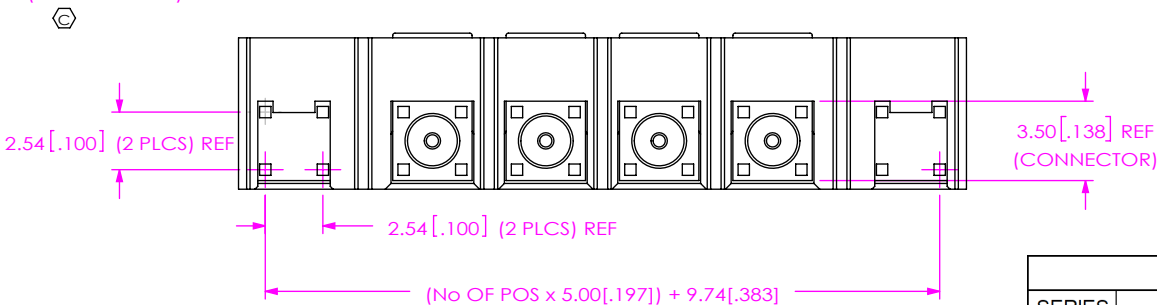
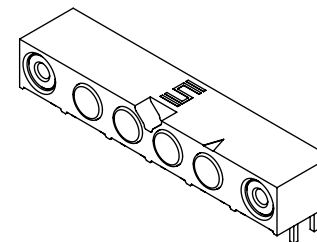
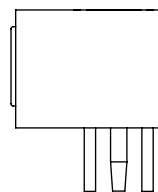
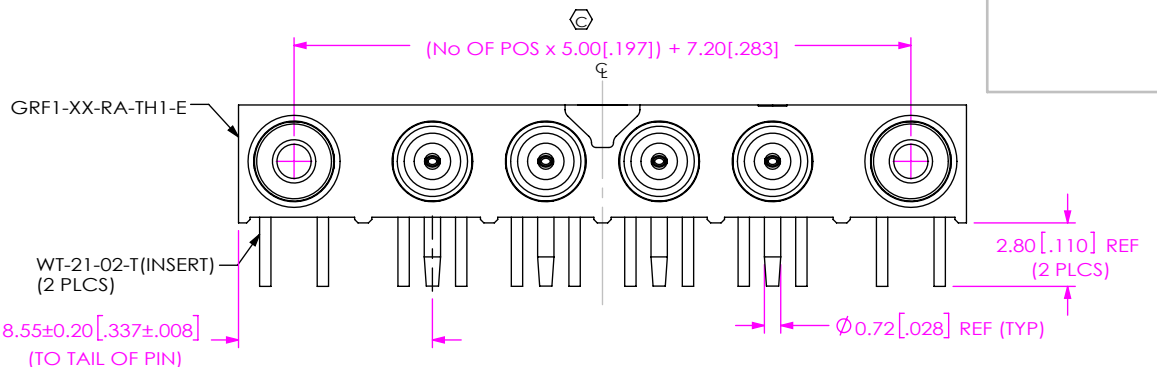


FIG 2  
GRF1-J-P-04-XX-RA-TH1-E SHOWN  
(SAME AS FIG 1, EXCEPT AS SHOWN)

TABLE 1					
SERIES	"A"	"B"	"C"	"D"	XXX-GRFX-J-P-XX-RA-XXX
GRF1-	2.54 [0.100]	0.70 [0.028]	0.70 [0.028]	2.80 [0.110]	SUB-GRF1-J-P-XX-RA-TH1
GRF7-	3.00 [0.118]	0.30 [0.012]	0.50 [0.020]	3.00 [0.118]	SUB-GRF7-J-P-XX-RA-TH1
		0.35 [0.014]		0.00 [0.000]	* GRF7-J-P-XX-RA-SM1
		0.35 [0.014]	3.00 [0.118]	* GRF7-J-P-XX-RA-MT1	

TABLE 2 (PLATING)			
SERIES	-E	-HF	-GF
GRF1-	SUB-GRF1-J-P-HF-RA-TH1	N/A	SUB-GRF1-J-P-GF-RA-TH1
GRF7-	N/A	SUB-GRF7-J-P-HF-RA-TH1	SUB-GRF7-J-P-GF-RA-TH1
		* GRF7-J-P-HF-RA-SM1	* GRF7-J-P-GF-RA-SM1
		* GRF7-J-P-HF-RA-MT1	* GRF7-J-P-GF-RA-MT1

TABLE 3 (TERMINATION)			
SERIES	-TH1	-SM1	-MT1
GRF1-	SUB-GRF1-J-P-XX-RA-TH1	* N/A	N/A
GRF7-	SUB-GRF7-J-P-XX-RA-TH1	GRF7-J-P-XX-RA-SM1	GRF7-J-P-XX-RA-MT1

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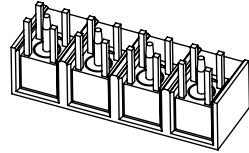


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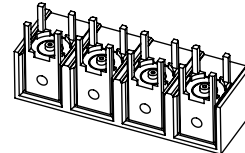
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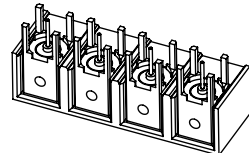
BY: DEAN P 01/17/2006 SHEET 2 OF 3



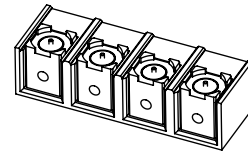
GRF1-J-P-04-XX-RA-TH1 SHOWN



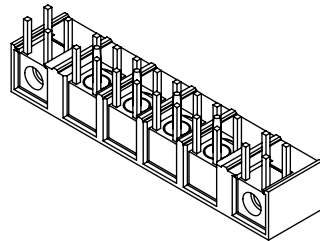
\* GRF7-J-P-04-XX-RA-MT1 SHOWN



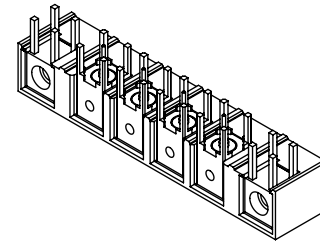
GRF7-J-P-04-XX-RA-TH1 SHOWN



\* GRF7-J-P-04-XX-RA-SM1 SHOWN



GRF1-J-P-04-XX-RA-TH1-E SHOWN



GRF7-J-P-04-XX-RA-TH1-E SHOWN

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