

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
I	PRELIMINARY RELEASE	11/19/19	MKH
A	RELEASE TO PRODUCTION	03/24/22	MKH

HOW TO ORDER	
SAMPLE PART NUMBER	GTBB -10 S SF -.100 -X -489
SERIES	GTBB - PCB CONNECTOR WITHOUT MOUNTING EARS, .100" SPACING
CONTACT LAYOUT	10, 14, 20, 24, 26, 30, 36, 40, 44, 50, 54, 56, 60, 66, 70
CONTACT TYPE	P - PIN (FIGURE 1) S - SOCKET (FIGURE 2)
TERMINATION TYPE <sup>1</sup>	SF - FLEX VERTICAL
TERMINAL LENGTH (SEE DETAIL VIEWS FOR AVAILABLE OPTIONS)	LENGTH IN INCHES ±.010 .058 .100
HARDWARE OPTION <sup>2</sup>	OMIT FOR NONE  X - GUIDESET, FULL ROUND Y-# - GUIDESET, POLARIZED F - FIXED JACKSET S - TURNING JACKSET, SLOTTED HEAD H - TURNING JACKSET, HEX HEAD M - TURNING JACKSET, SLOTTED HEAD, MEDIUM LONG L - TURNING JACKSET, SLOTTED HEAD, LONG EX - EXTENDED GUIDESET, FULL ROUND EY-# - EXTENDED GUIDESET, POLARIZED EF - EXTENDED FIXED JACKSET
GOLD-PLATED TERMINAL MOD CODE	THESE CONNECTORS ARE SOLDER-DIPPED IN 60/40 TIN-LEAD SOLDER. TO DELETE THE SOLDER DIP AND CHANGE TO GOLD-PLATED TERMINALS, ADD CODE 513

<sup>1</sup>SEE GTB-1000 FOR TERMINATION TYPE DETAILS.

<sup>2</sup>SEE GTB-1001 FOR HARDWARE OPTION DETAILS.

### Performance Specifications:

Current Rating - 5 AMP  
 DWV - 1000 VAC Sea Level  
 Insulation Resistance - 5000 Megohms Minimum @ 500 VDC  
 Contact Resistance - 10 Milliohms  
 Operating Temperature - -65° C. to +125° C.  
 Mating Force (Max) - (4 Ounces) X (# of Contacts)  
 Durability - 500 Mating Cycles

### Materials and Finishes:

Insulator - Polyphenylene Sulfide (PPS)  
 Contacts - Copper Alloy, Gold over Nickel Plating  
 Hardware - Copper Alloy, Nickel Plated and/or  
 300 Series Stainless Steel, Passivated

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			DRAWN	DFC	11/19/19	 1211 AIR WAY, GLENDALE, CALIFORNIA 91201			
			CHECK	MKH	11/19/19				
			ENGR	MKH	11/19/19				
TOLERANCES:			 			TITLE			
FRACTIONS ±1/16						PCB CONNECTOR, 22 AWG			
SYMMETRY $\phi$ ±.002						STRAIGHT WITHOUT MOUNTING EARS			
RADII ±.005						FLEX VERTICAL, .100" SPACING			
DECIMALS .X ±.1 .XX ±.01 .XXX ±.005 .XXXX ±.0010						CODE IDENT. NO.			SIZE
ANGLES ±2°			06324			C	GTBB-SF	A	
DO NOT SCALE THIS DRAWING			RELEASE DATE 12/27/19						
B/F	P/C	98	ORIGINAL RELEASE DATE 11/19/19			SCALE: N/A		WEIGHT: N/A	SHEET 1 OF 3

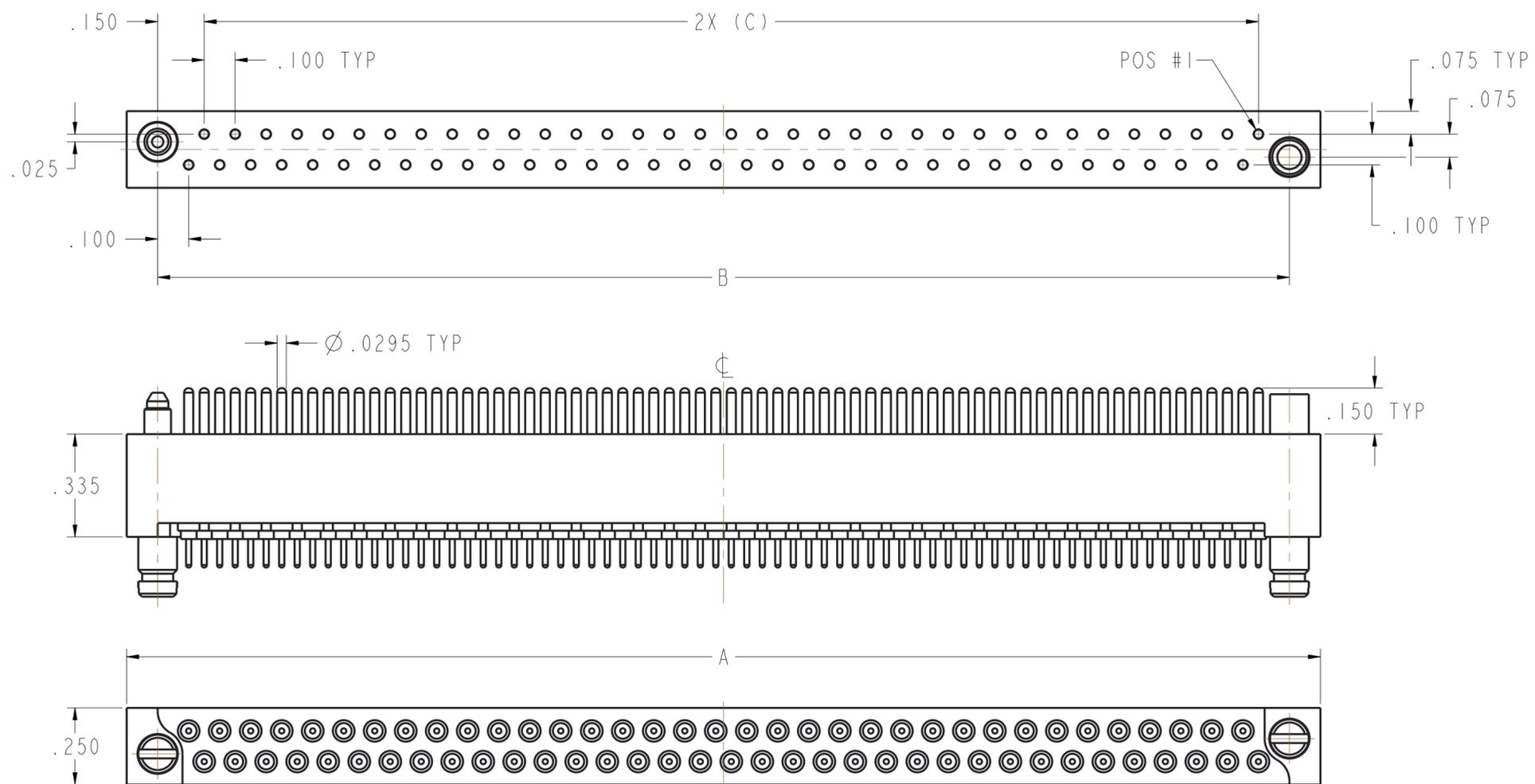
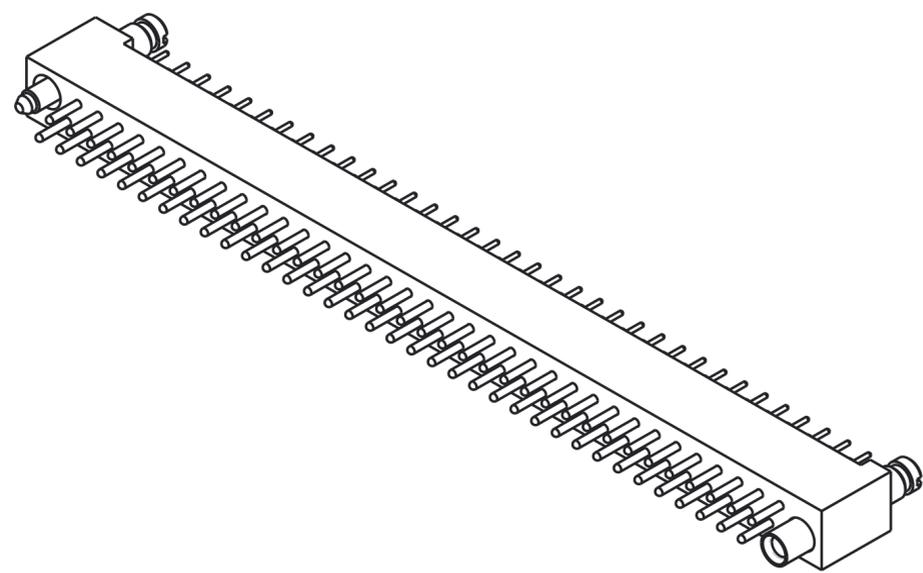


FIGURE 1. PLUG CONNECTOR, VERTICAL PIN CONTACTS



CONTACT LAYOUT	DIMENSIONS		
	A	B	C
10	.850	.650	.400
14	1.050	.850	.600
20	1.350	1.150	.900
24	1.550	1.350	1.100
26	1.650	1.450	1.200
30	1.850	1.650	1.400
36	2.150	1.950	1.700
40	2.350	2.150	1.900
44	2.550	2.350	2.100
50	2.850	2.650	2.400
54	3.050	2.850	2.600
56	3.150	2.950	2.700
60	3.350	3.150	2.900
66	3.650	3.450	3.200
70	3.850	3.650	3.400

REFER TO DRAWING GTB-1004 FOR STRAIGHT PLUG PCB LAYOUT PATTERNS

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**GLENAIR, INC.**

1211 AIR WAY, GLENDALE, CALIFORNIA 91201

TITLE  
PCB CONNECTOR, 22 AWG  
STRAIGHT WITHOUT MOUNTING EARS  
FLEX VERTICAL, .100" SPACING

CODE	IDENT. NO.	SIZE	DWG NO	REV
	06324	C	GTBB-SF	A
SCALE: N/A		WEIGHT: N/A		SHEET 2 OF 3

NOTES: UNLESS OTHERWISE SPECIFIED...

- ASSEMBLY TO BE IDENTIFIED WITH GLENAIR NAME, CAGE CODE, P/N, AND DATE CODE. NUMBERS INDICATING THE FIRST AND LAST POSITION AND EVERY FOURTH CONTACT POSITION IN BETWEEN SHALL BE MARKED ON THE TOP SIDE OF THE CONNECTOR.

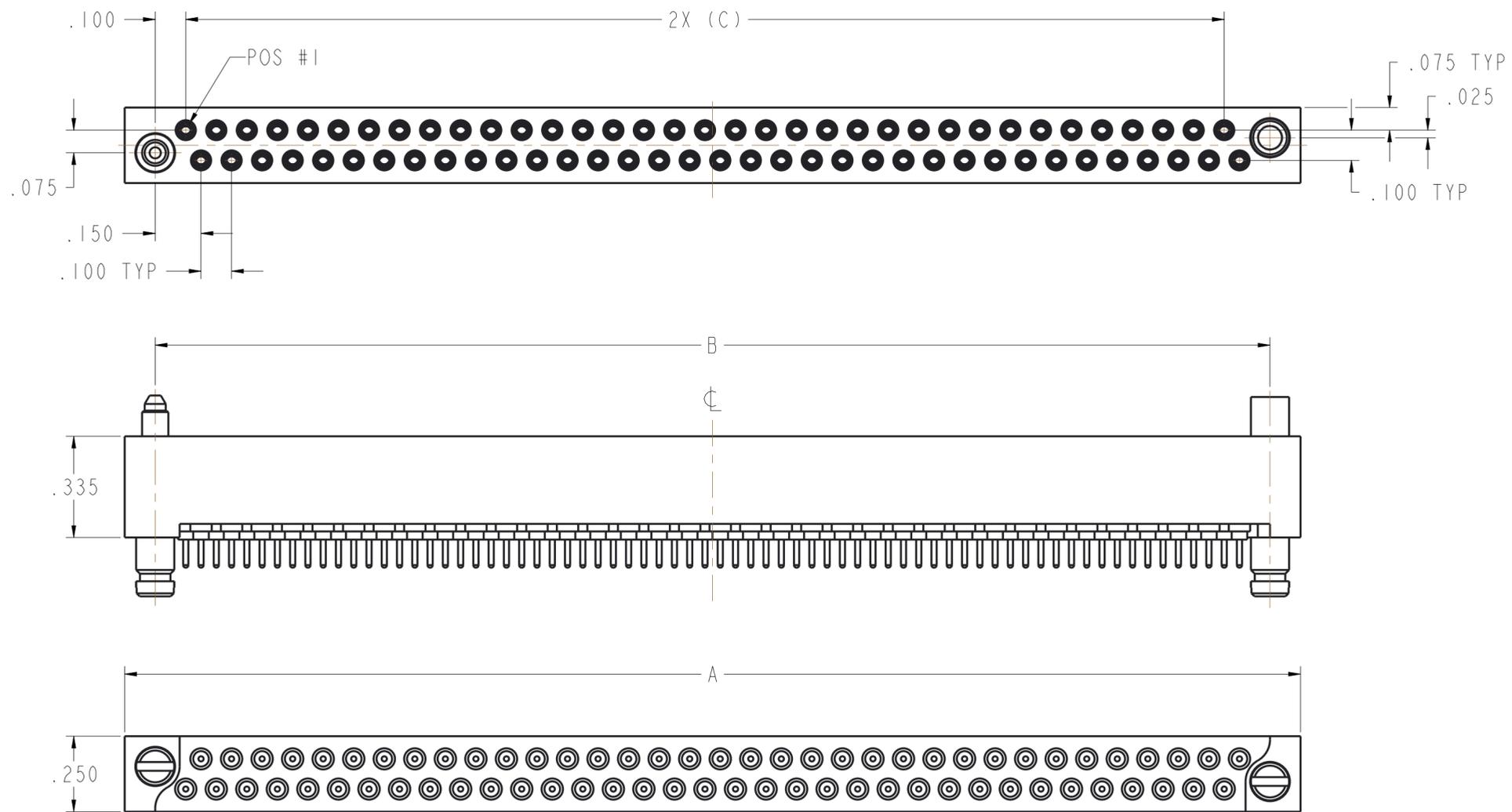
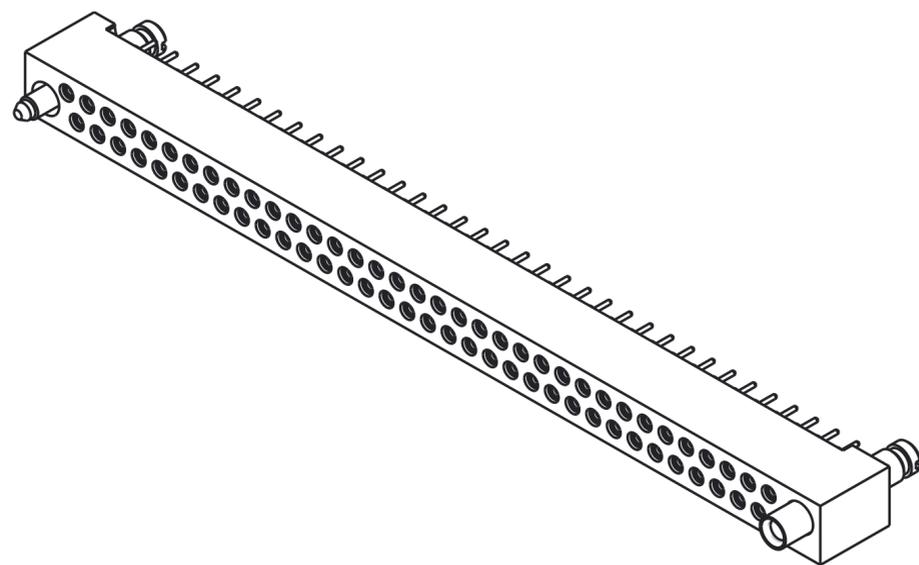


FIGURE 2. RECEPTACLE CONNECTOR, VERTICAL SOCKET CONTACTS



CONTACT LAYOUT	DIMENSIONS		
	A	B	C
10	.850	.650	.400
14	1.050	.850	.600
20	1.350	1.150	.900
24	1.550	1.350	1.100
26	1.650	1.450	1.200
30	1.850	1.650	1.400
36	2.150	1.950	1.700
40	2.350	2.150	1.900
44	2.550	2.350	2.100
50	2.850	2.650	2.400
54	3.050	2.850	2.600
56	3.150	2.950	2.700
60	3.350	3.150	2.900
66	3.650	3.450	3.200
70	3.850	3.650	3.400

REFER TO DRAWING GTB-1005 FOR STRAIGHT RCPT PCB LAYOUT PATTERNS

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1211 AIR WAY, GLENDALE, CALIFORNIA 91201

TITLE  
PCB CONNECTOR, 22 AWG  
STRAIGHT WITHOUT MOUNTING EARS  
FLEX VERTICAL, .100" SPACING

CODE IDENT. NO.	SIZE	DWG NO	REV
06324	C	GTBB-SF	A
SCALE: N/A		WEIGHT: N/A	SHEET 3 OF 3

NOTES: UNLESS OTHERWISE SPECIFIED...

- ASSEMBLY TO BE IDENTIFIED WITH GLENAIR NAME, CAGE CODE, P/N, AND DATE CODE. NUMBERS INDICATING THE FIRST AND LAST POSITION AND EVERY FOURTH CONTACT POSITION IN BETWEEN SHALL BE MARKED ON THE TOP SIDE OF THE CONNECTOR.