

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
I	PRELIMINARY RELEASE	11/19/19	MKH

HOW TO ORDER						
SAMPLE PART NUMBER	GTBB	-120	P	ST	-.109	-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 ¹	ST - PCB VERTICAL					
TERMINAL LENGTH (SEE DETAIL VIEWS FOR AVAILABLE OPTIONS)	LENGTH IN INCHES ±.010 .109 .140 .172 .234					
HARDWARE OPTION ²	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					
TERMINAL MOD CODE	ADD CODE 489 TO CHANGE PCB TERMINALS FROM GOLD-PLATED TO TIN-LEAD SOLDER-DIPPED					

¹SEE GTB-1000 FOR CONTACT TYPE DETAILS.

²SEE 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	 GLENNAIR, INC. 1211 AIR WAY, GLENDALE, CALIFORNIA 91201
		CHECK	MKH	11/19/19	
		ENGR	MKH	11/19/19	
TOLERANCES: FRACTIONS ±1/16 SYMMETRY ϕ ±.002 RADII ±.005 .X ±.1 .XX ±.01 DECIMALS .XXX ±.005 .XXXX ±.0010 ANGLES ±2°		 APPROVED		TITLE PCB CONNECTOR, 22 AWG STRAIGHT W/O MOUNTING EARS PCB VERTICAL, .100" SPACING	
DO NOT SCALE THIS DRAWING		RELEASE DATE	12/27/19		CODE IDENT. NO. 06324
B/F	P/C	98	ORIGINAL RELEASE DATE	11/19/19	SIZE C
				SCALE: N/A	DWG NO GTBB-ST
				WEIGHT: N/A	REV 1
				SHEET 1 OF 3	

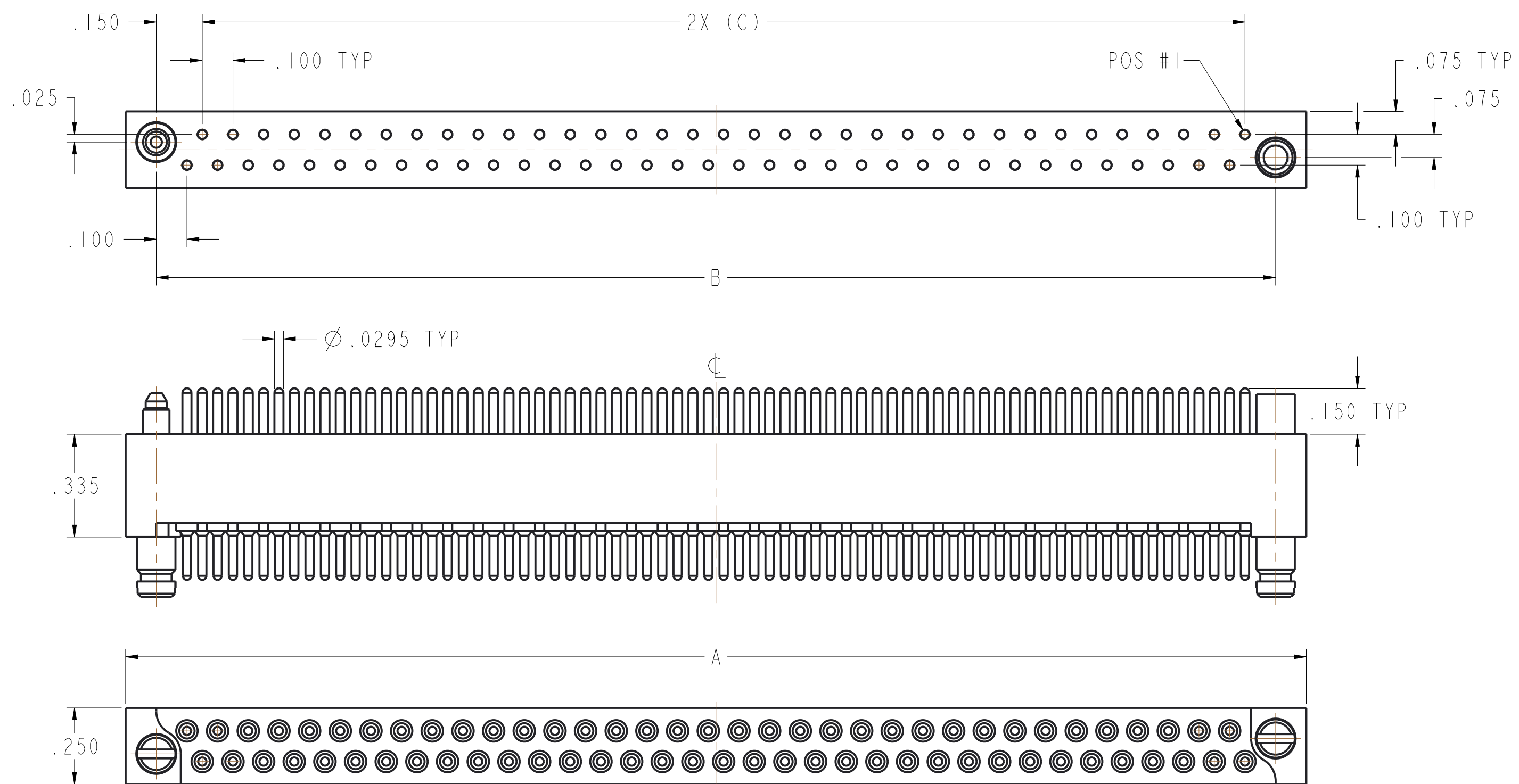
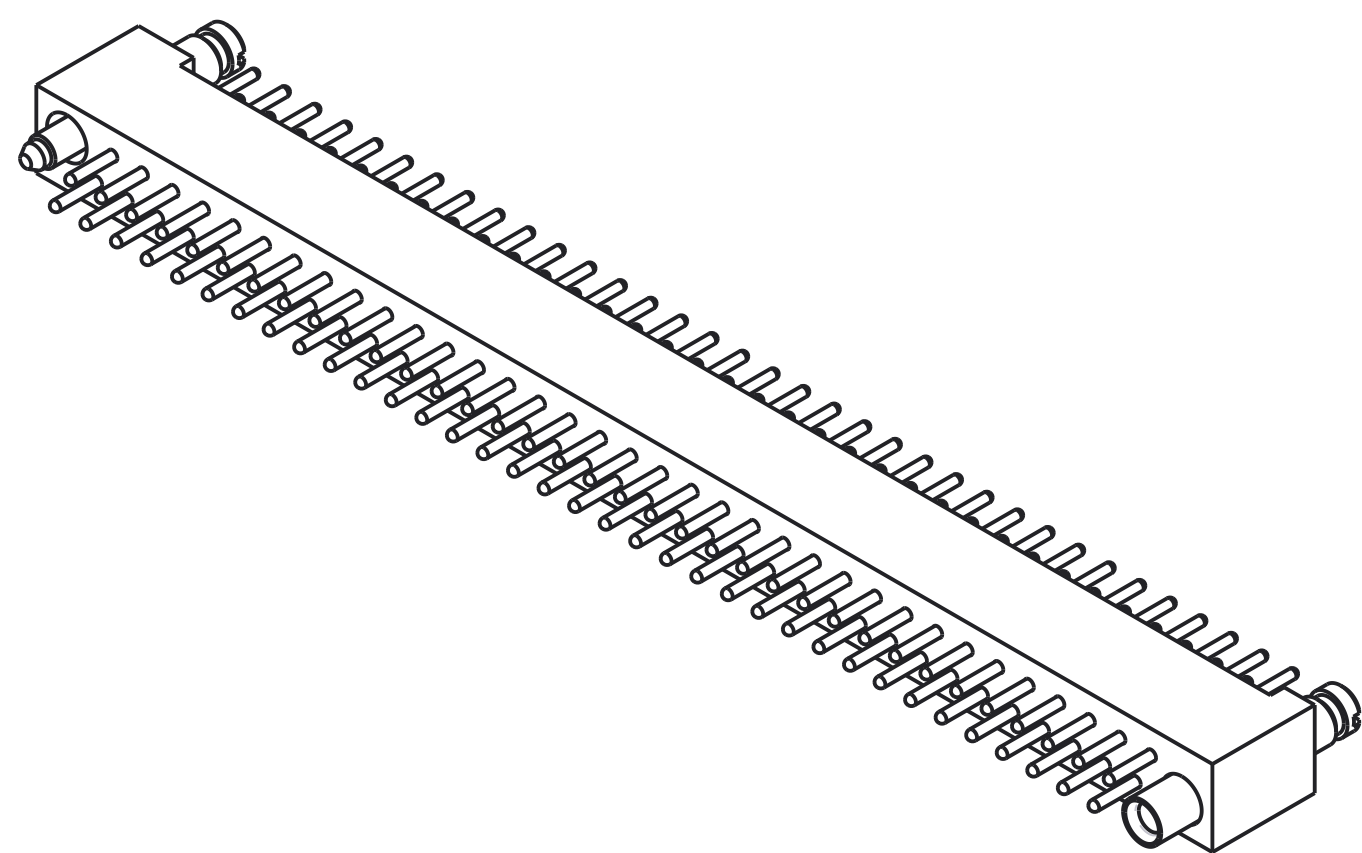


FIGURE 1. PLUG CONNECTOR, VERTICAL PIN CONTACTS



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 W/O MOUNTING EARS
PCB VERTICAL, .100" SPACING

CODE	IDENT. NO.	SIZE	DWG NO	REV
	06324	C	GTBB-ST	1
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.

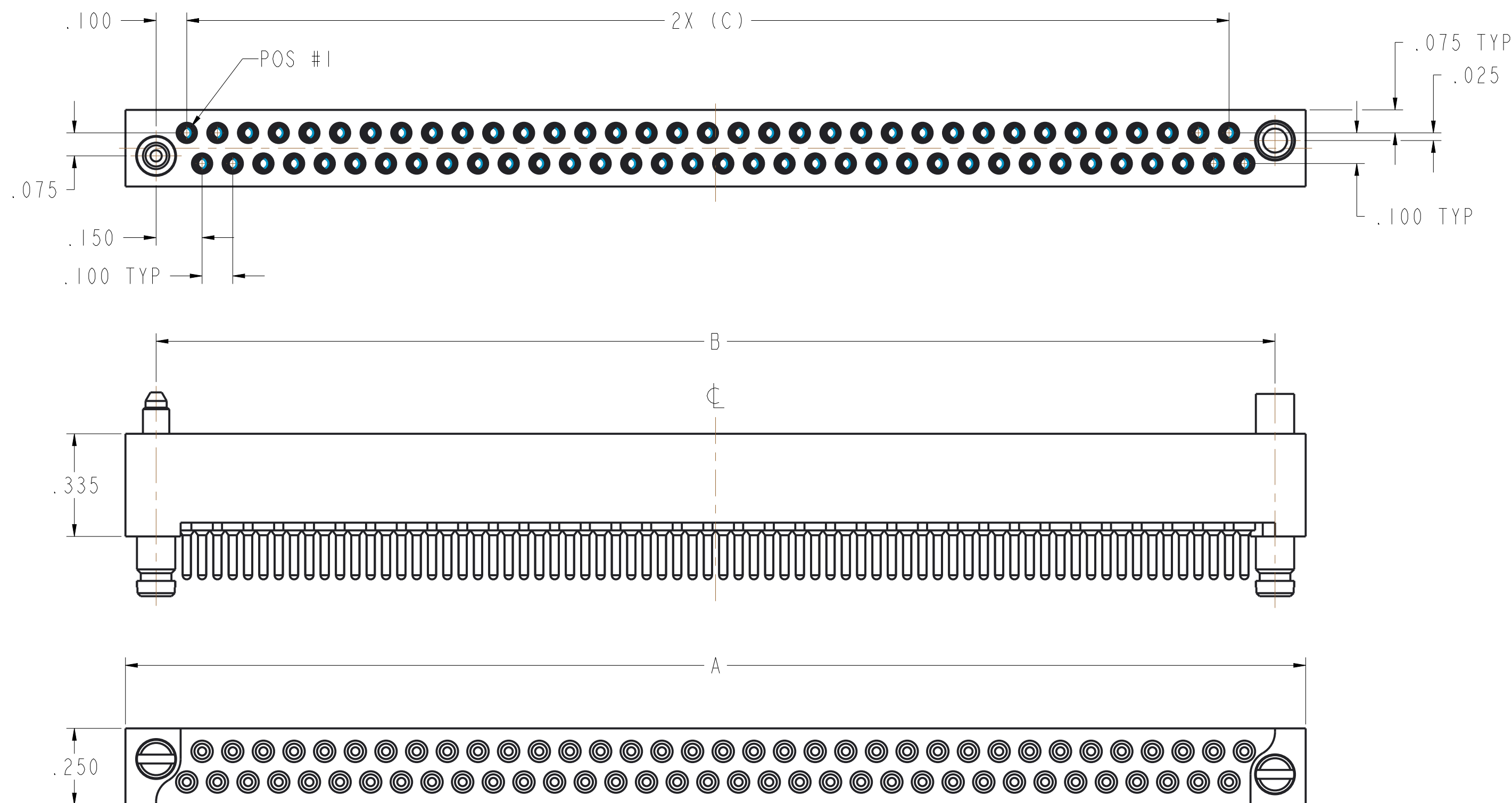
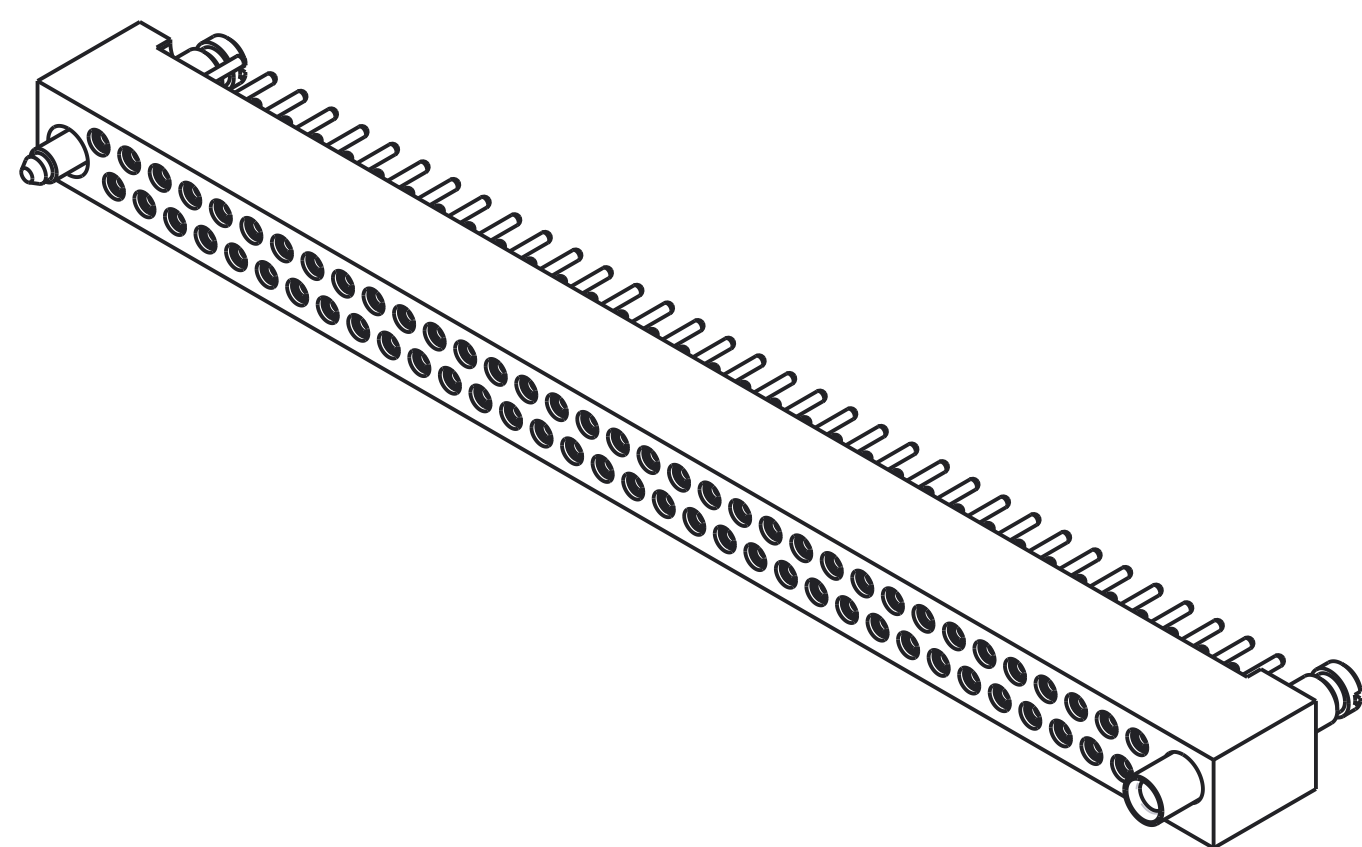


FIGURE 2. RECEPTACLE CONNECTOR, VERTICAL SOCKET CONTACTS



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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GLENAIR, INC.

1211 AIR WAY, GLENDALE, CALIFORNIA 91201

TITLE
PCB CONNECTOR, 22 AWG
STRAIGHT W/O MOUNTING EARS
PCB VERTICAL, .100" SPACING

CODE	IDENT. NO.	SIZE	DWG NO	REV
	06324	C	GTBB-ST	1
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.