

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
I	PRELIMINARY RELEASE	11/19/19	MKH
A	RELEASE TO PRODUCTION	02/26/21	MKH
B	DCN 90860: UPDATE TERMINATION PLATING CODE	03/24/22	MKH

HOW TO ORDER							
SAMPLE PART NUMBER	GTBA			-120	S	ST	- .109 -X -489
SERIES	GTBA - PCB CONNECTOR WITH MOUNTING EARS, .100" SPACING						
CONTACT LAYOUT (1 BAY) (2 BAY)	10, 14, 20, 24, 26, 30, 36, 40, 44, 50, 54, 56, 60, 66, 70 (SEE FIGURE 1) 90, 100, 120 (SEE FIGURE 2)						
CONTACT TYPE	S - SOCKET						
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						
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						

¹SEE GTB-1000 FOR TERMINATION 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	 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°	 		TITLE PCB CONNECTOR, 22 AWG STRAIGHT RCPT W/ MOUNTING EARS PCB VERTICAL, .100" SPACING				
DO NOT SCALE THIS DRAWING	RELEASE DATE	12/27/19		CODE IDENT. NO. 06324 SIZE C DWG NO GTBA-ST REV B			
B/F	P/C	98	ORIGINAL RELEASE DATE	11/19/19	SCALE: N/A	WEIGHT: N/A	SHEET 1 OF 3

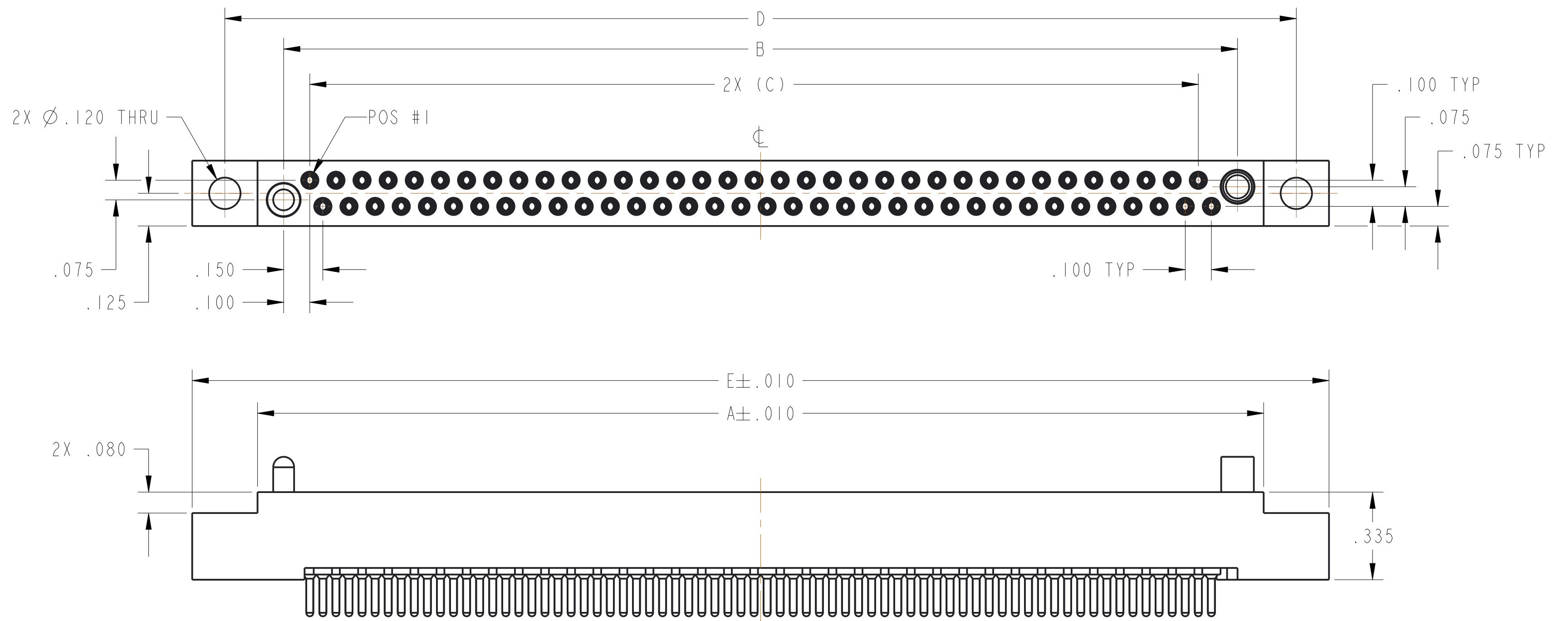
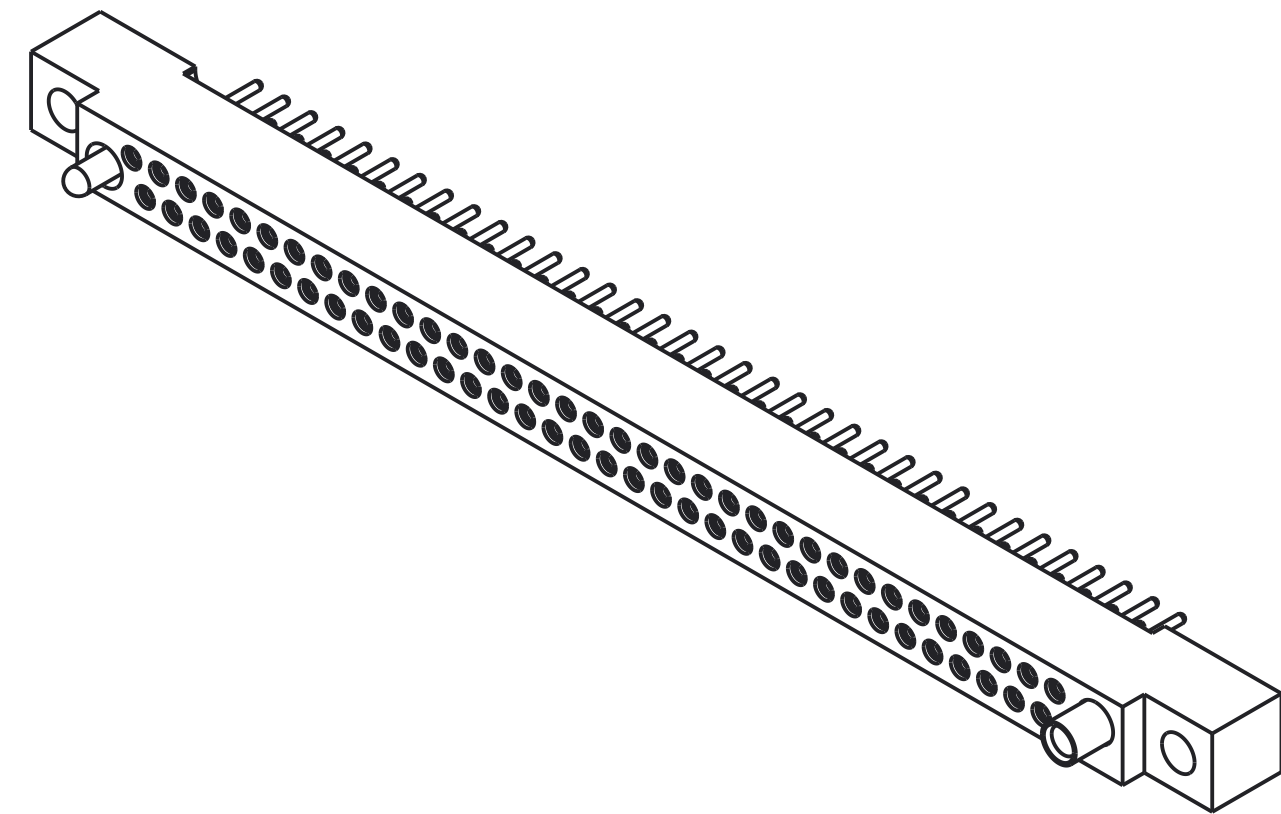


FIGURE 1. RECEPTACLE CONNECTOR, VERTICAL SOCKET CONTACTS (1 BAY)



CONTACT LAYOUT	DIMENSIONS				
	A	B	C	D	E
10	.850	.650	.400	1.100	1.350
14	1.050	.850	.600	1.300	1.550
20	1.350	1.150	.900	1.600	1.850
24	1.550	1.350	1.100	1.800	2.050
26	1.650	1.450	1.200	1.900	2.150
30	1.850	1.650	1.400	2.100	2.350
36	2.150	1.950	1.700	2.400	2.650
40	2.350	2.150	1.900	2.600	2.850
44	2.550	2.350	2.100	2.800	3.050
50	2.850	2.650	2.400	3.100	3.350
54	3.050	2.850	2.600	3.300	3.550
56	3.150	2.950	2.700	3.400	3.650
60	3.350	3.150	2.900	3.600	3.850
66	3.650	3.450	3.200	3.900	4.150
70	3.850	3.650	3.400	4.100	4.350

REFER TO DRAWING GTB-1003 FOR STRAIGHT PCB LAYOUT PATTERNS

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GLENAIR, INC.
1211 AIR WAY, GLENDALE, CALIFORNIA 91201

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

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

NOTES: UNLESS OTHERWISE SPECIFIED...

1. 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 SIDE OF THE CONNECTOR.

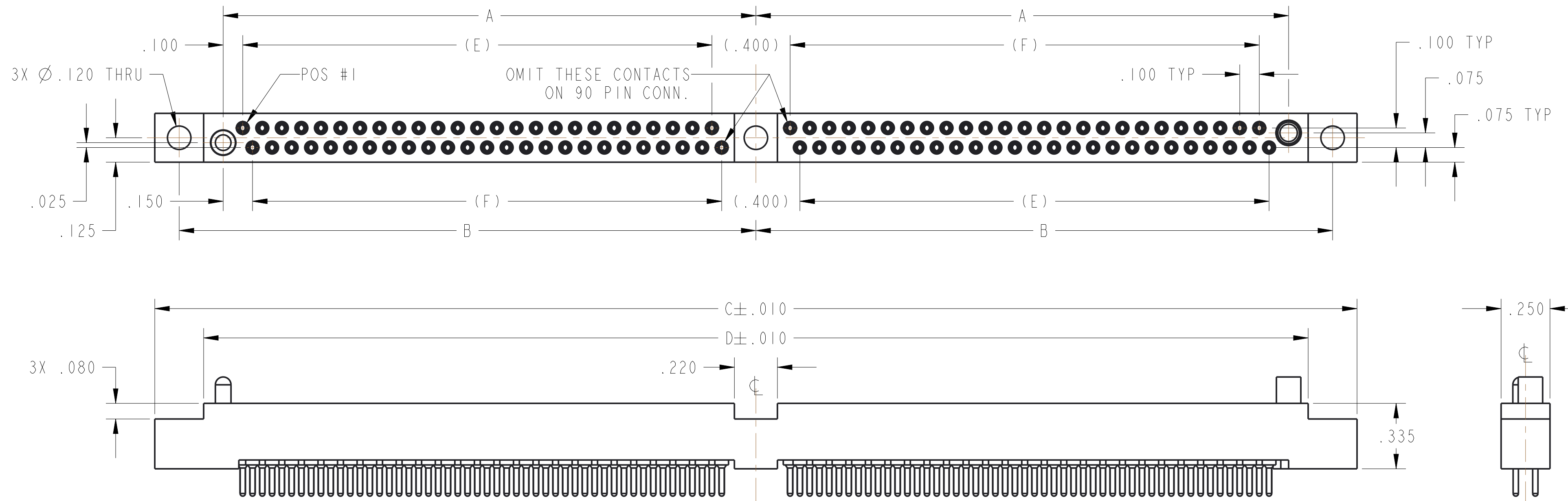
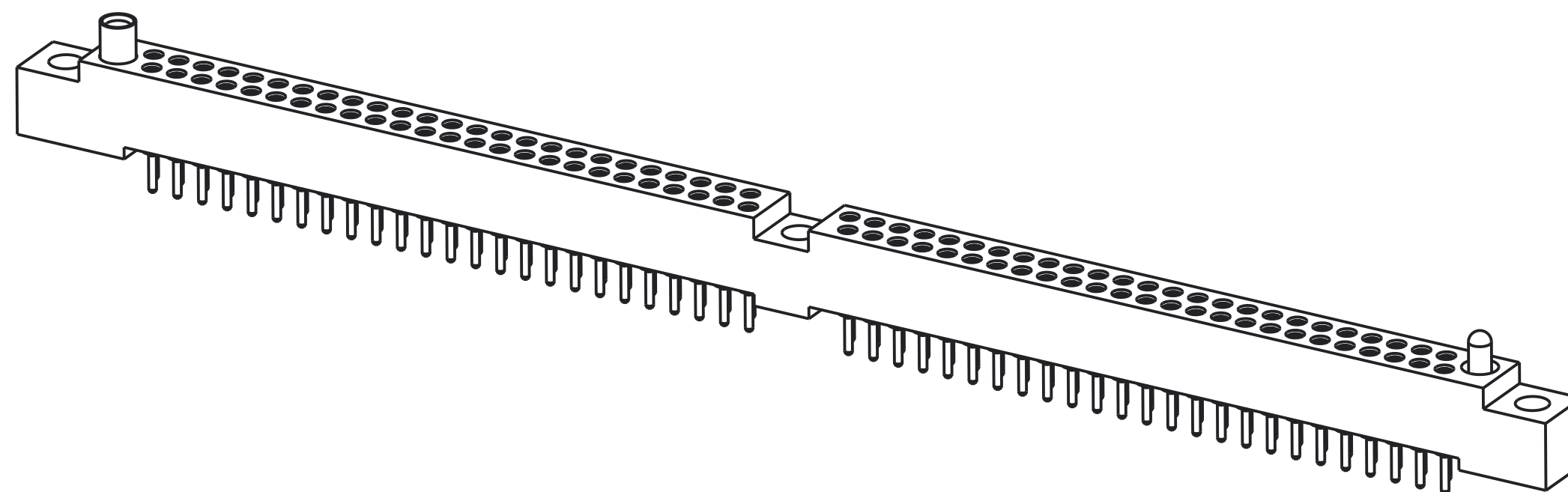


FIGURE 2. RECEPTACLE CONNECTOR, VERTICAL SOCKET CONTACTS (2 BAY)

CONTACT LAYOUT	DIMENSIONS					
	A	B	C	D	E	F
90	2.475	2.700	5.650	5.150	2.200	2.100
100	2.725	2.950	6.150	5.650	2.400	2.400
120	3.225	3.450	7.150	6.650	2.900	2.900



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PCB CONNECTOR, 22 AWG STRAIGHT RCPT W/ MOUNTING EARS PCB VERTICAL, .100" SPACING			
CODE IDENT. NO.	SIZE	DWG NO	REV
06324	C	GTBA-ST	B
SCALE: N/A		WEIGHT: N/A	SHEET 3 OF 3

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