

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



HOW TO ORDER	
SAMPLE PART NUMBER	GTBB -120 S SC -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 (SEE DETAIL VIEWS FOR AVAILABLE OPTIONS)	P - PIN (FIGURE 1) S - SOCKET (FIGURE 2)
TERMINATION TYPE ¹	SC - SOLDER CUP
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 TERMINATIONS FROM GOLD-PLATED TO TIN-LEAD SOLDER-DIPPED
¹ SEE GTB-1000 FOR TERMINATION TYPE DETAILS.	
² 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

THIS COPYRIGHTED DOCUMENT IS THE PROPERTY OF GLENAIR, INC. AND IS FURNISHED ON THE CONDITION THAT IT IS NOT TO BE DISCLOSED, REPRODUCED IN WHOLE OR IN PART, OR USED TO SOLICIT QUOTATIONS FROM COMPETITIVE SOURCES, OR USED FOR MANUFACTURE BY ANYONE OTHER THAN GLENAIR, INC WITHOUT THE WRITTEN PERMISSION FROM GLENAIR, INC. THE INFORMATION HEREIN HAS BEEN DEVELOPED AT GLENAIR'S EXPENSE AND MAY BE USED FOR ENGINEERING EVALUATION AND INCORPORATION INTO TECHNICAL SPECIFICATIONS AND OTHER DOCUMENTS WHICH SPECIFY PROCUREMENT OF PRODUCTS FROM GLENAIR, INC.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN DFC 11/19/19	 GLENAIR, INC. 1211 AIR WAY, GLENDALE, CALIFORNIA 91201			
	CHECK MKH 11/19/19				
	ENGR MKH 11/19/19				
TOLERANCES:					
FRACTIONS ±1/16	TITLE PCB CONNECTOR, 22 AWG STRAIGHT WITHOUT MOUNTING EARS SOLDER CUP, .100" SPACING				
SYMMETRY ϕ ±.002					
RADII ±.005					
DECIMALS .X ±.1					
.XX ±.01					
.XXX ±.005	CODE IDENT. NO. 06324	SIZE C	DWG NO GTBB-SC	REV 1	
.XXXX ±.0010	RELEASE DATE 12/27/19				
ANGLES ±2°	DO NOT SCALE THIS DRAWING				
B/F	P/C 98	ORIGINAL RELEASE DATE 11/19/19	SCALE: N/A	WEIGHT: N/A	SHEET 1 OF 3

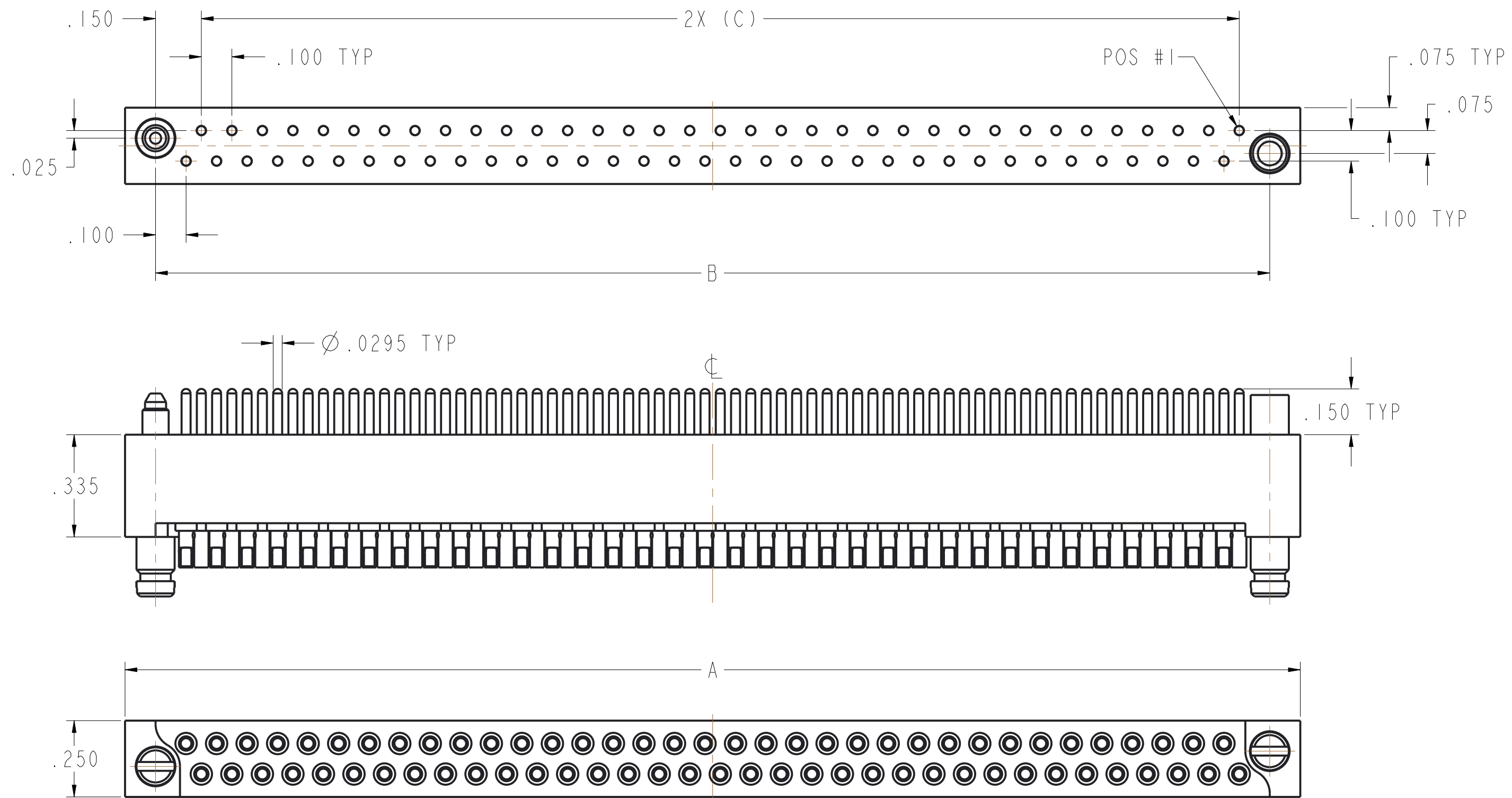
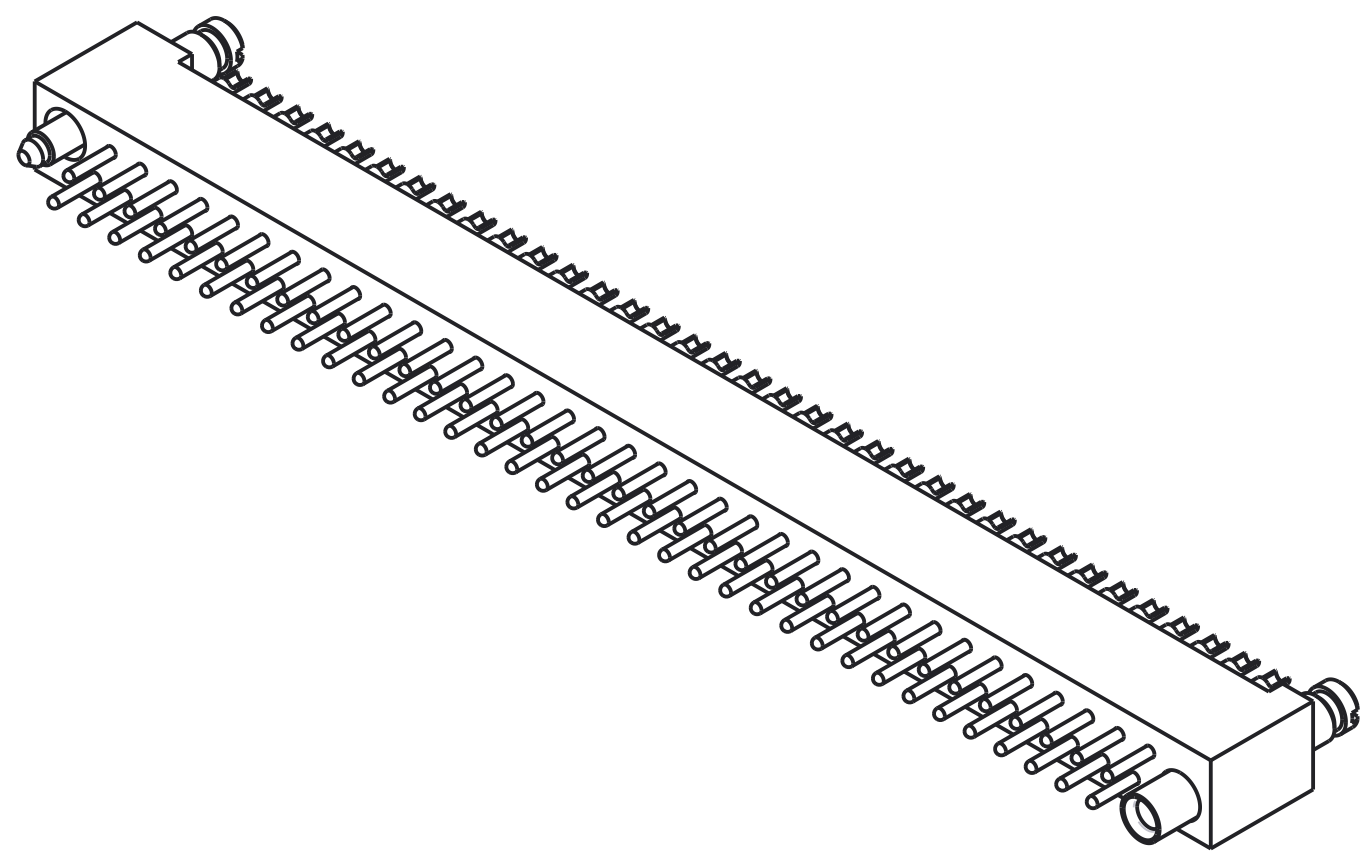


FIGURE 1. PLUG CONNECTOR, SOLDER CUP PIN CONTACTS



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

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.

THIS COPYRIGHTED DOCUMENT IS THE PROPERTY OF GLENAIR, INC. AND IS FURNISHED ON THE CONDITION THAT IT IS NOT TO BE DISCLOSED, REPRODUCED IN WHOLE OR IN PART, OR USED TO SOLICIT QUOTATIONS FROM COMPETITIVE SOURCES, OR USED FOR MANUFACTURE BY ANYONE OTHER THAN GLENAIR, INC WITHOUT THE WRITTEN PERMISSION FROM GLENAIR, INC. THE INFORMATION HEREIN HAS BEEN DEVELOPED AT GLENAIR'S EXPENSE AND MAY BE USED FOR ENGINEERING EVALUATION AND INCORPORATION INTO TECHNICAL SPECIFICATIONS AND OTHER DOCUMENTS WHICH SPECIFY PROCUREMENT OF PRODUCTS FROM GLENAIR, INC.

GLENAIR, INC.

1211 AIR WAY, GLENDALE, CALIFORNIA 91201

TITLE
PCB CONNECTOR, 22 AWG
STRAIGHT WITHOUT MOUNTING EARS
SOLDER CUP, .100" SPACING

CODE	IDENT. NO.	SIZE	DWG NO	REV
06324	C	GTBB-SC	1	
SCALE: N/A		WEIGHT: N/A		SHEET 2 OF 3

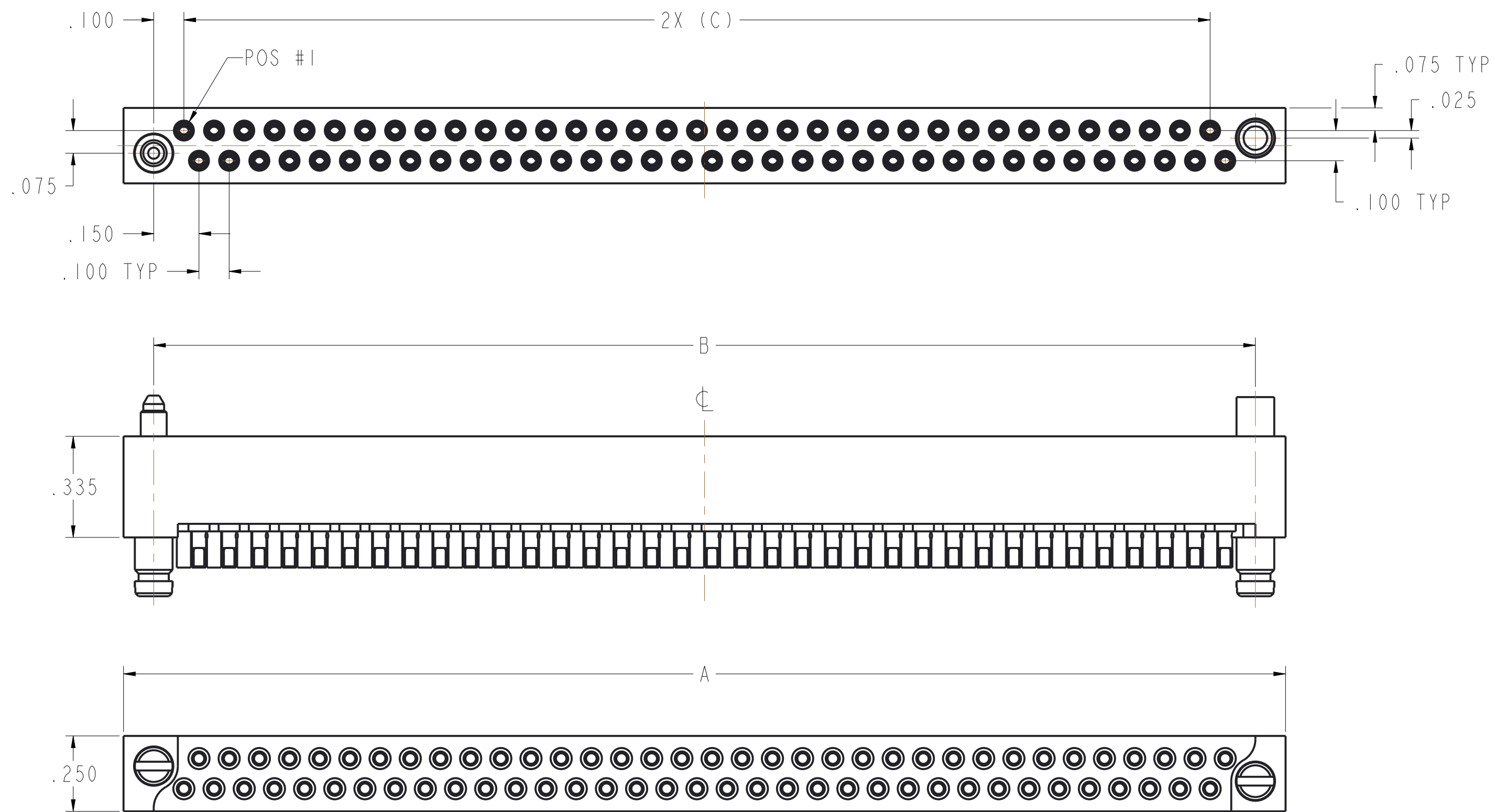
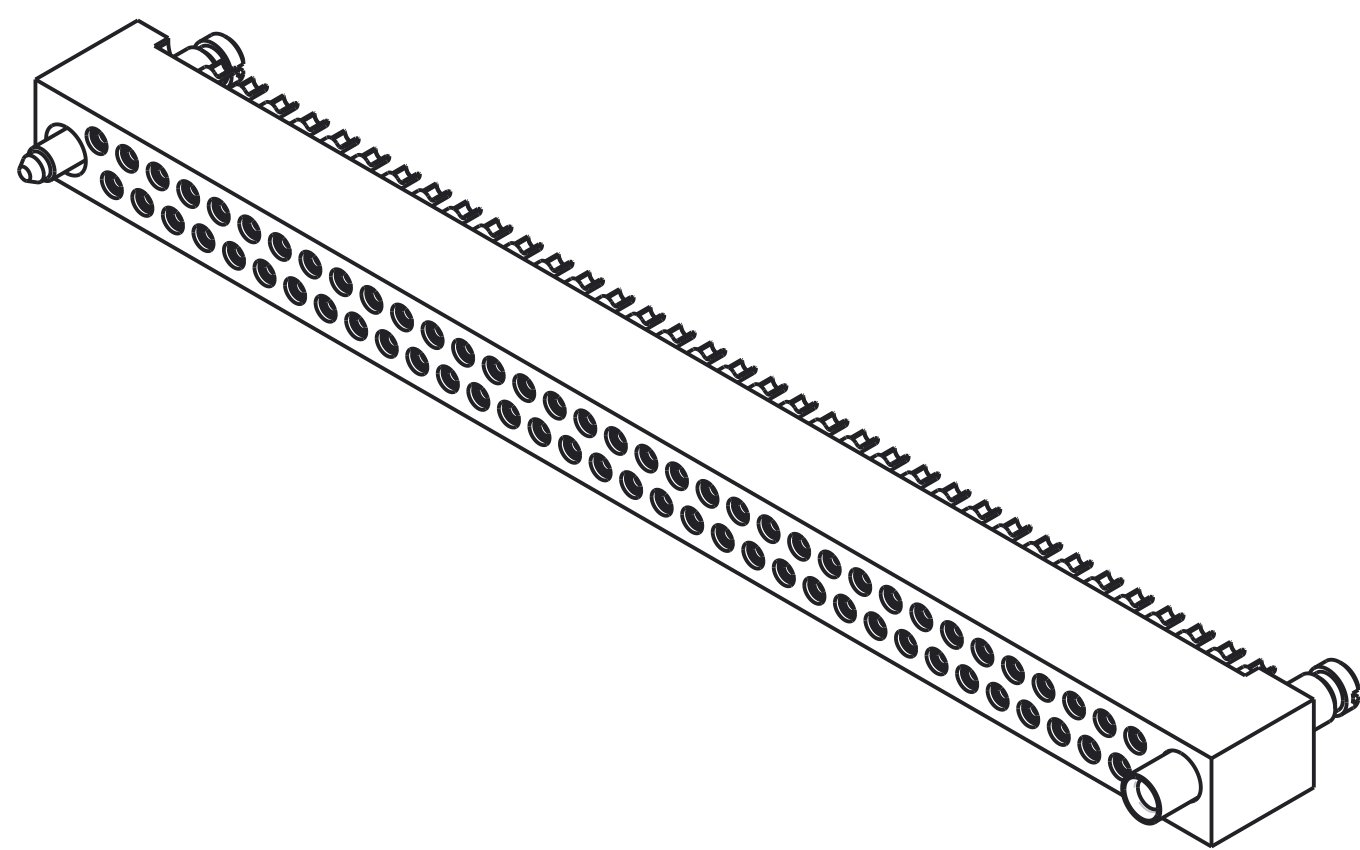


FIGURE 2. RECEPTACLE CONNECTOR, SOLDER CUP SOCKET CONTACTS



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

THIS COPYRIGHTED DOCUMENT IS THE PROPERTY OF GLENAIR, INC. AND IS FURNISHED ON THE CONDITION THAT IT IS NOT TO BE DISCLOSED, REPRODUCED IN WHOLE OR IN PART, OR USED TO SOLICIT QUOTATIONS FROM COMPETITIVE SOURCES, OR USED FOR MANUFACTURE BY ANYONE OTHER THAN GLENAIR, INC. WITHOUT THE WRITTEN PERMISSION FROM GLENAIR, INC. THE INFORMATION HEREIN HAS BEEN DEVELOPED AT GLENAIR'S EXPENSE AND MAY BE USED FOR ENGINEERING EVALUATION AND INCORPORATION INTO TECHNICAL SPECIFICATIONS AND OTHER DOCUMENTS WHICH SPECIFY PROCUREMENT OF PRODUCTS FROM GLENAIR, INC.

GLENAIR, INC.

1211 AIR WAY, GLENDALE, CALIFORNIA 91201

TITLE
PCB CONNECTOR, 22 AWG
STRAIGHT WITHOUT MOUNTING EARS
SOLDER CUP, .100" SPACING

CODE	IDENT. NO.	SIZE	DWG NO	REV
	06324	C	GTBB-SC	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.