

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



HOW TO ORDER	
SAMPLE PART NUMBER	GTBA -120 P RA -.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	P - PIN
TERMINATION TYPE	RA - PCB RIGHT ANGLE
TERMINAL LENGTH (SEE DETAIL VIEWS FOR AVAILABLE OPTIONS)	LENGTH IN INCHES ±.010 .109 .140 .172
HARDWARE OPTION ¹	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
TERMINAL MOD CODE	ADD CODE 489 TO CHANGE PCB TERMINALS FROM GOLD-PLATED TO TIN-LEAD SOLDER-DIPPED
¹ 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 CHECK MKH 11/19/19 ENGR MKH 11/19/19	GLENAIR, INC. 1211 AIR WAY, GLENDALE, CALIFORNIA 91201	
TOLERANCES: FRACTIONS ±1/16 SYMMETRY ϕ ±.002 RADI ϕ ±.005 DECIMALS .X ±.1 .XX ±.01 .XXX ±.005 .XXXX ±.0010 ANGLES ±2°	 		
DO NOT SCALE THIS DRAWING	RELEASE DATE 12/27/19	TITLE PRINTED CIRCUIT BOARD CONNECTOR R/A PLUG W/ MOUNTING EARS 22 AWG, .100" SPACING	CODE IDENT. NO. 06324 SIZE C DWG NO GTBA-RA REV 1
B/F	P/C 98	ORIGINAL RELEASE DATE 11/19/19	SCALE: N/A WEIGHT: N/A SHEET 1 OF 3

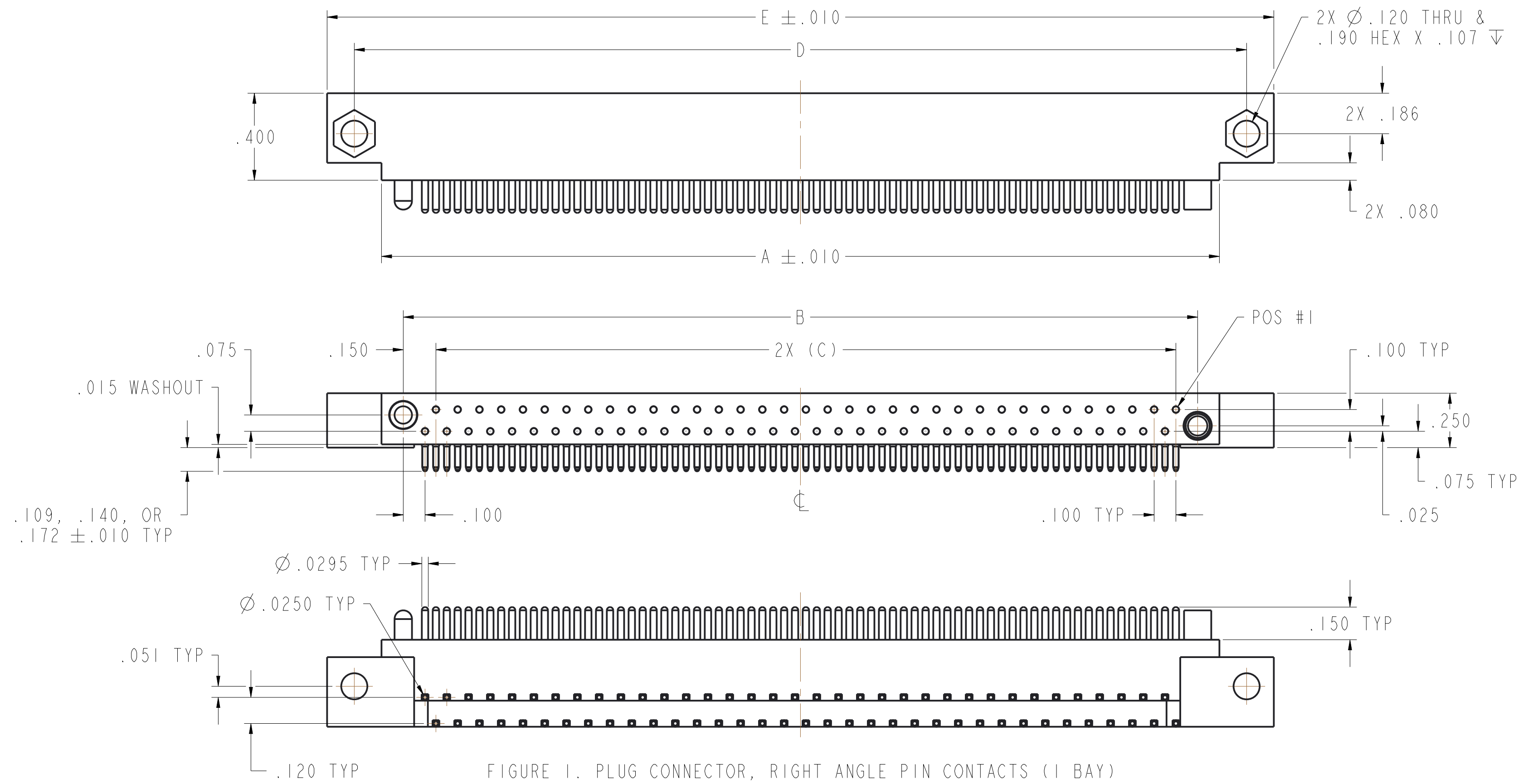
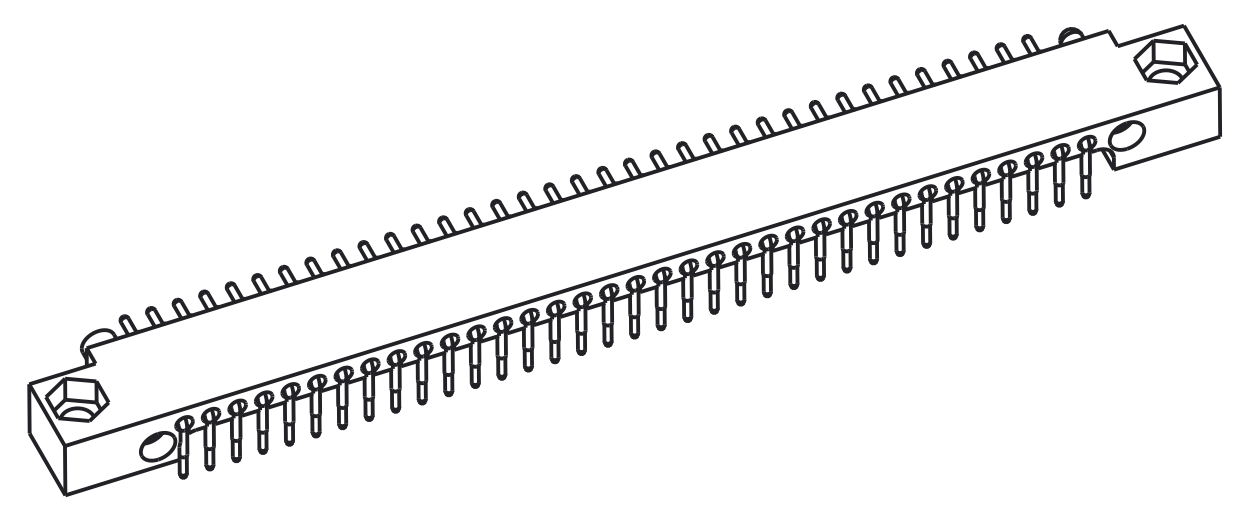


FIGURE 1. PLUG CONNECTOR, RIGHT ANGLE PIN CONTACTS (1 BAY)



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-1002 FOR R/A PCB LAYOUT PATTERNS

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

TITLE
PRINTED CIRCUIT BOARD CONNECTOR
R/A PLUG W/ MOUNTING EARS
22 AWG, .100" SPACING

CODE IDENT. NO.	SIZE	DWG NO	REV
06324	C	GTBA-RA	1
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 TOP SIDE OF THE CONNECTOR.

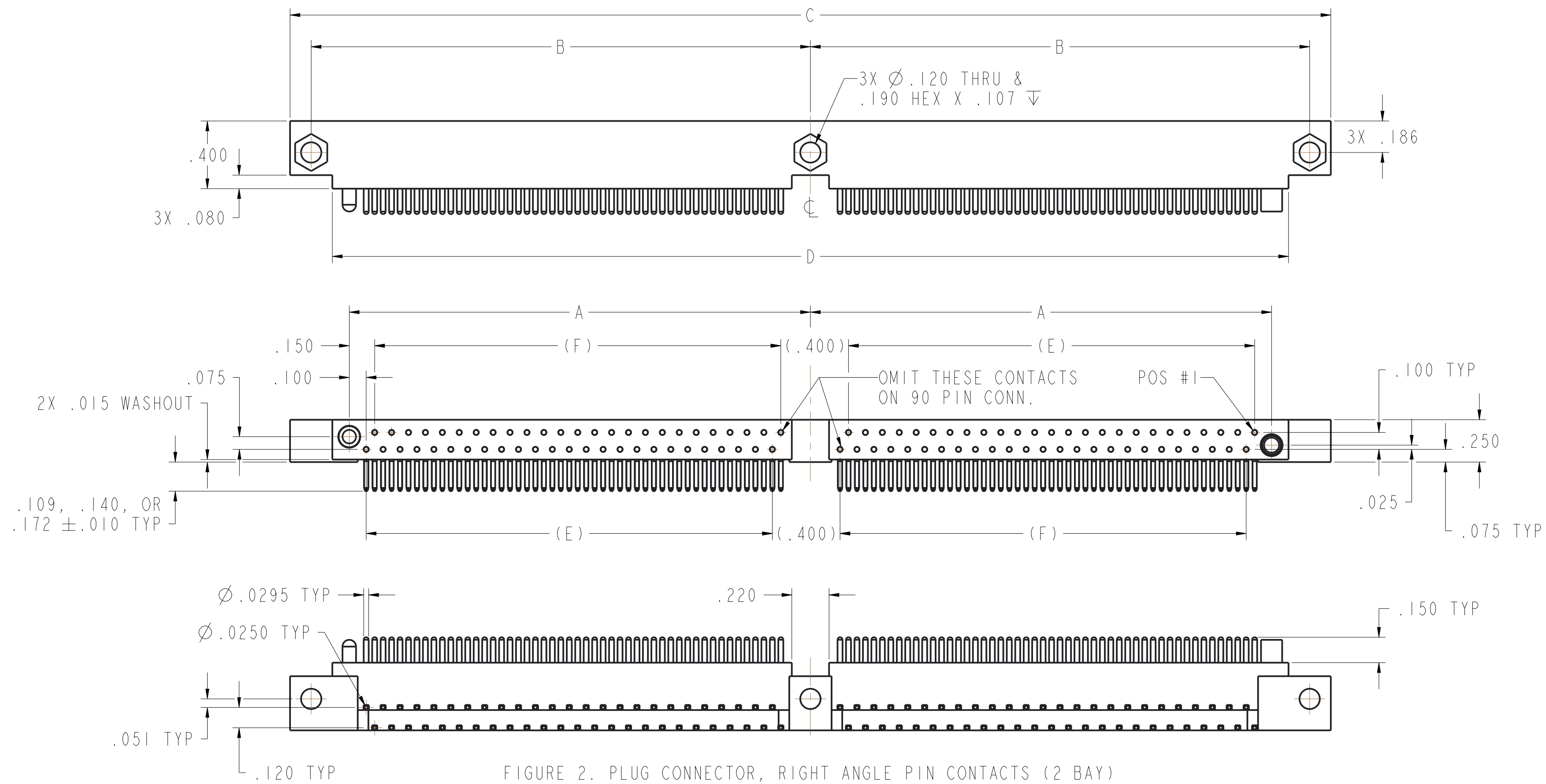


FIGURE 2. PLUG CONNECTOR, RIGHT ANGLE PIN CONTACTS (2 BAY)

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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