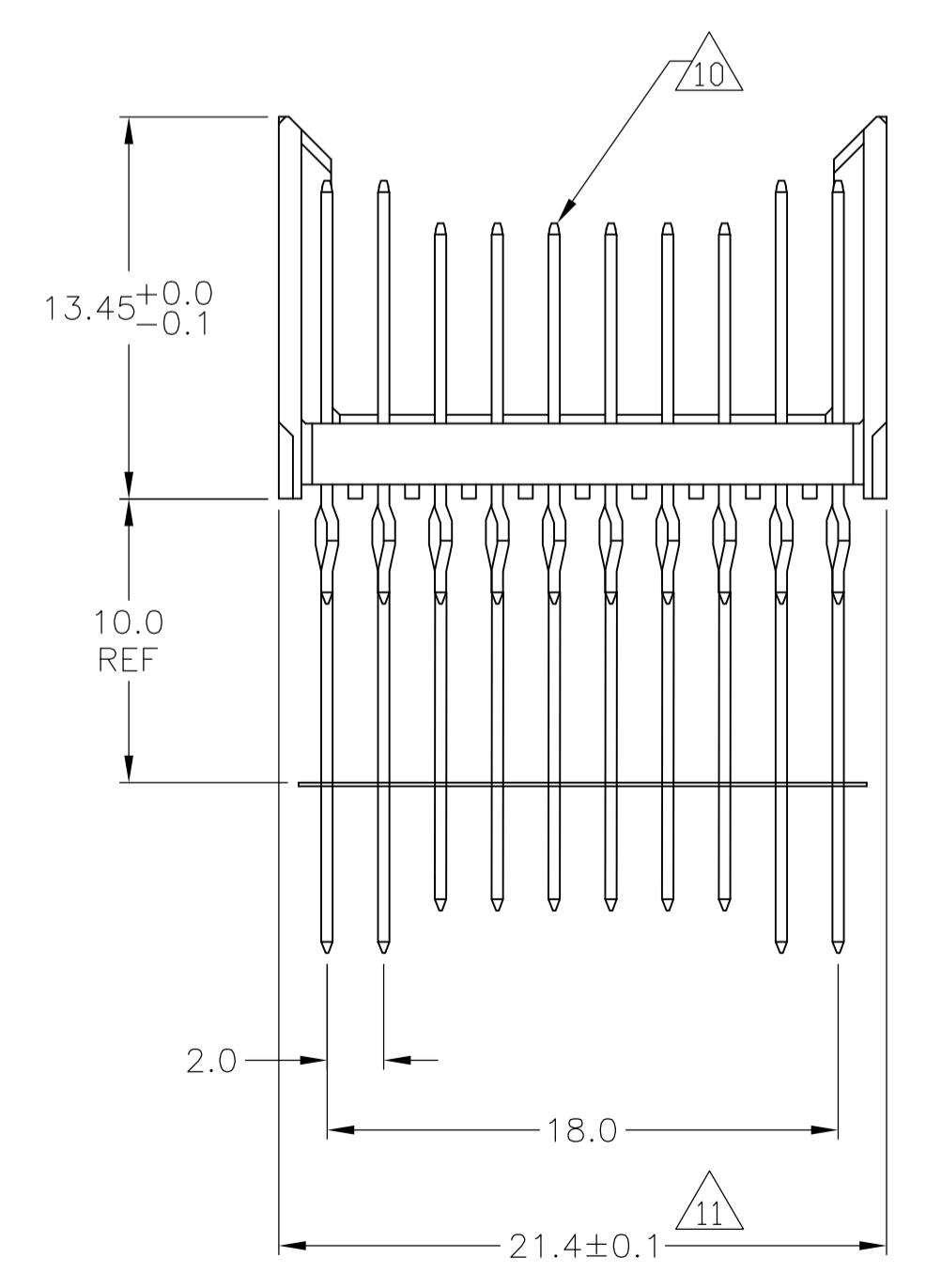
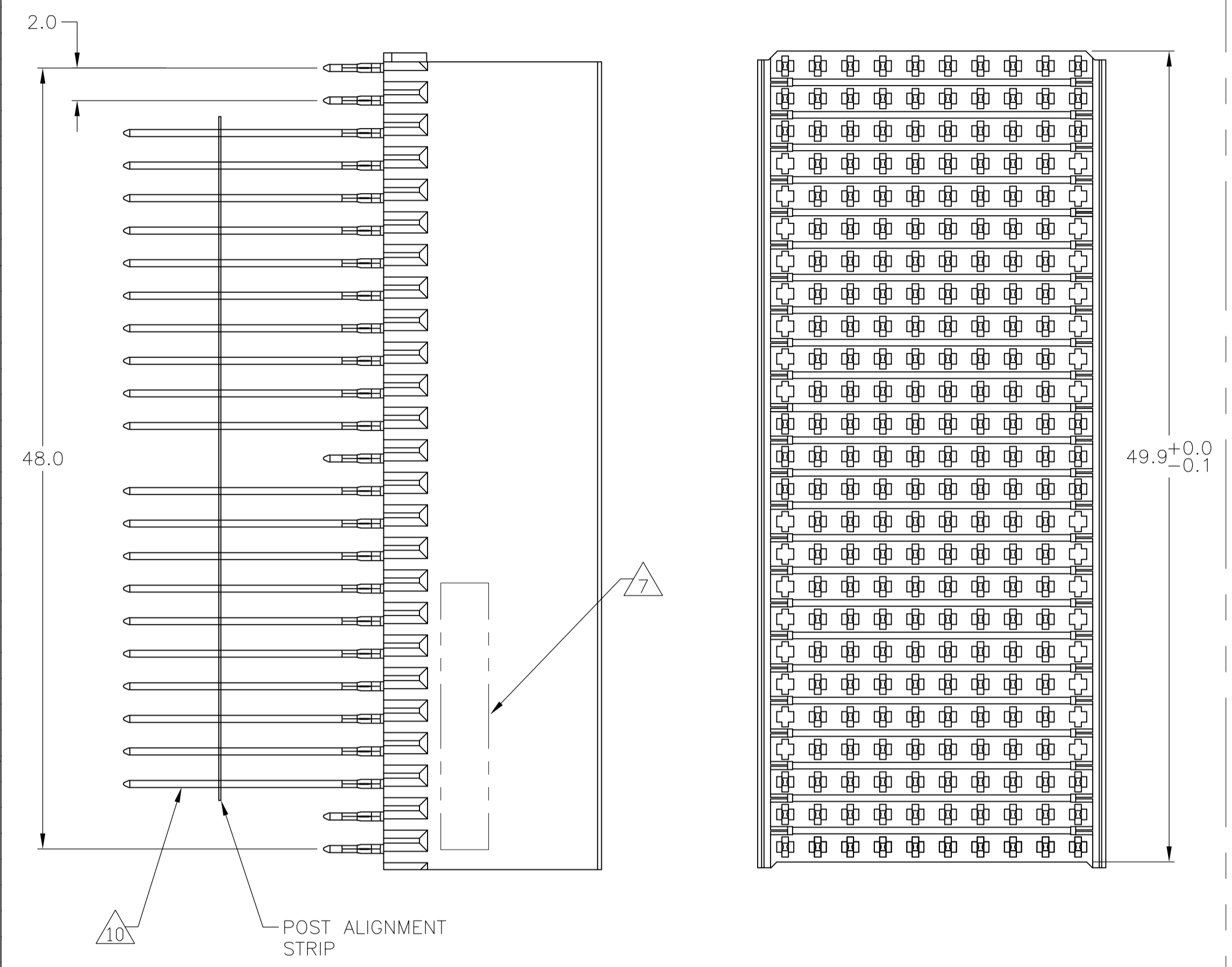


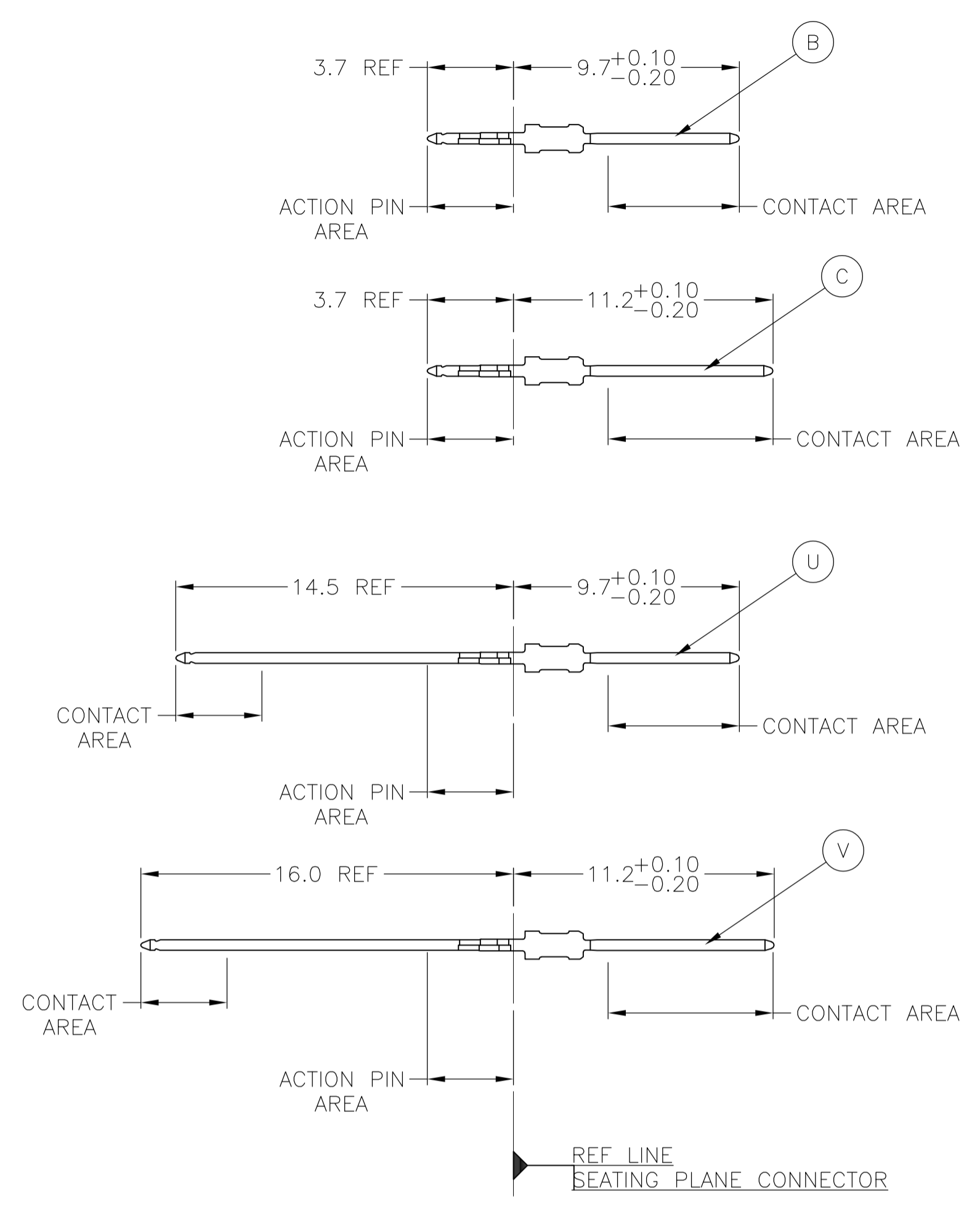
LOC		DIST		REVISIONS			
AD	00	P	LTR	DESCRIPTION	DATE	DMN	APVD
		C		REV PER EC 0512-0303-05	05APR06	BC	GS
		D		ECR-10-018652	10SEP10	JS	MQW
		E		ECR-12-009864	05DEC12	SY	AC

### CONNECTOR ASSEMBLY EXAMPLARY LOADED



### CONTACT DIMENSIONS

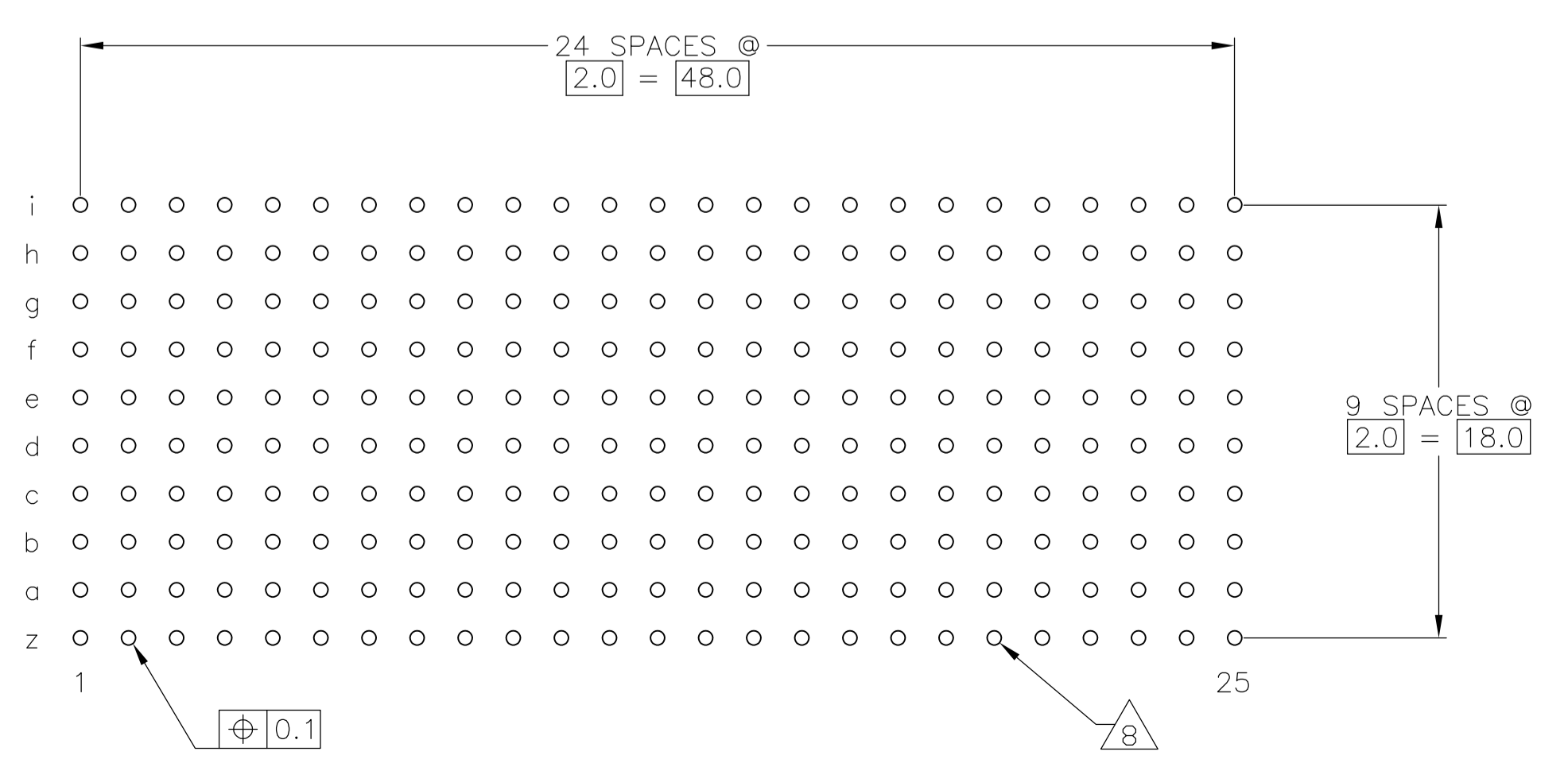
SCALE 5:1



### CONTACT LAYOUT

	z	a	b	c	d	e	f	g	h	i
1	C	C	B	B	B	B	B	B	C	C
2	C	C	B	B	B	B	B	B	C	C
3	V	C	B	B	B	B	B	B	C	V
4		V	U	U	U	U	U	U	V	
5		V	U	U	U	U	U	U	V	
6		V	U	U	U	U	U	U	V	
7		V	U	U	U	U	U	U	V	
8		V	U	U	U	U	U	U	V	
9		V	U	U	U	U	U	U	V	
10		V	U	U	U	U	U	U	V	
11		V	U	U	U	U	U	U	V	
12	V	C	B	B	B	B	B	B	C	V
13	C	C	B	B	B	B	B	B	C	C
14	V	C	B	B	B	B	B	B	C	V
15		V	U	U	U	U	U	U	V	
16		V	U	U	U	U	U	U	V	
17		V	U	U	U	U	U	U	V	
18		V	U	U	U	U	U	U	V	
19		V	U	U	U	U	U	U	V	
20		V	U	U	U	U	U	U	V	
21		V	U	U	U	U	U	U	V	
22		V	U	U	U	U	U	U	V	
23	V	C	B	B	B	B	B	B	C	V
24	C	C	B	B	B	B	B	B	C	C
25	C	C	B	B	B	B	B	B	C	C

### RECOMMENDED PCB-HOLE LAYOUT COMPONENT SIDE SHOWN



### PLATED THRU HOLES PARAMETERS

REFERENCE APPLICATION SPECIFICATION

OBSOLETE	2 6 12	1-646364-9
	2 5 12	646364-9
	2 4	646364-4
	2 3	646364-1
	FINISH	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0-PLC ±	1-PLC ±0.1	2-PLC ±0.1	3-PLC ±	4-PLC ±	ANGLES ±
MATERIAL	FINISH	SEE TABLE					

DN: S. WAITMAN 19JUL05  
 CHK: G. SKIPPER 19JUL05  
 APVD: G. SKIPPER 19JUL05  
 PRODUCT SPEC: 108-1622  
 APPLICATION SPEC: 114-19029  
 WEIGHT: -  
 CUSTOMER DRAWING: -

Tyco Electronics Corporation  
 Harrisburg, Pa 17105-3608  
 NAME: MALE ASSEMBLY, Z-PACK 2mm HM, TYPE E  
 SIZE: A1  
 CAGE CODE: 00779  
 DRAWING NO: 646364  
 RESTRICTED TO: -  
 SCALE: 4:1  
 SHEET: 1 OF 2  
 REV: E

LOC		DIST		REVISIONS				
P	LTR	DESCRIPTION	DATE	DN	APVD			
AD	00	SEE SHEET 1	-	-	-			

- 1 MATERIAL:  
CONTACT: PHOSPHOR BRONZE.  
HOUSING: GLASS-FILLED POLYESTER.
- 2 GENERAL PLATING SPECIFICATION: UNDERPLATING  
(ENTIRE CONTACT): 1.27µm MIN NICKEL AND ACTION  
PIN: 0.5µm MIN TIN LEAD.  
FOR PLATING OF MATING SURFACES SEE APPLICABLE  
SPECIFICATION REFERENCE FOR EACH DASH NUMBER.
- 3 CONFORMS TO ALL TESTING ACCORDING TO IEC 61076-4-101  
PERFORMANCE LEVEL 2.
- 4 CONFORMS TO ALL TESTING ACCORDING TO IEC 61076-4-101  
PERFORMANCE LEVEL 1.
- 5 CONNECTOR TESTED AND QUALIFIED AGAINST TELCORDIA GR-1217-CORE QUALITY LEVEL 3,  
CENTRAL OFFICE APPLICATIONS.
- 6 CONNECTOR TESTED AND QUALIFIED AGAINST TELCORDIA GR-1217-CORE QUALITY LEVEL 3,  
UNCONTROLLED ENVIROMENT APPLICATIONS.
- 7 CONNECTOR MARKED WITH PART NUMBER AND DATE CODE.  
ADDITIONAL CHARACTERS OR MARKINGS, AS WELL AS THE LOCATION OF THE MARKINGS,  
MAY BE ADDED FOR TRACEABILITY BASED UPON MANUFACTURERS DISCRETION.
- 8 PLATED-THROUGH HOLES AT 2x2mm SQUARE GRID  
PATTERN DEFINED BY CONTACT LAYOUT.
- 9 FOR ACTUAL PIN LOADING SEE "CONTACT LAYOUT".
- 10 FOR ACTUAL PIN DIMENSIONS SEE "CONTACT DIMENSIONS".
- 11 TO BE MEASURED AT BOTTOM OF SHROUD.
- 12 CONNECTOR LUBRICATED WITH BELCORE APPROVED LUBRICANT,  
TECHNICAL REFERENCE: TR-NWT-001217 ISSUE 1, SEP 1992.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN S. WAITMAN 19JUL05		Tyco Electronics Corporation	
DIMENSIONS: mm		CHK G. SKIPPER 19JUL05		Harrisburg, Pa 17105-3608	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD G. SKIPPER 19JUL05		NAME	
0-PLC ± 1-PLC ±0.1 2-PLC ± 3-PLC ± 4-PLC ± ANGLES ±.1°		PRODUCT SPEC		MALE ASSEMBLY, Z-PACK 2mm HM, TYPE E	
MATERIAL SEE SHEET 1		FINISH SEE SHEET 1		RESTRICTED TO	
WEIGHT		SIZE		CAGE CODE	
SEE SHEET 1		114-19029		DRAWING NO	
CUSTOMER DRAWING		A1		00779	
SCALE 4:1		SHEET 2 OF 2		REV E	