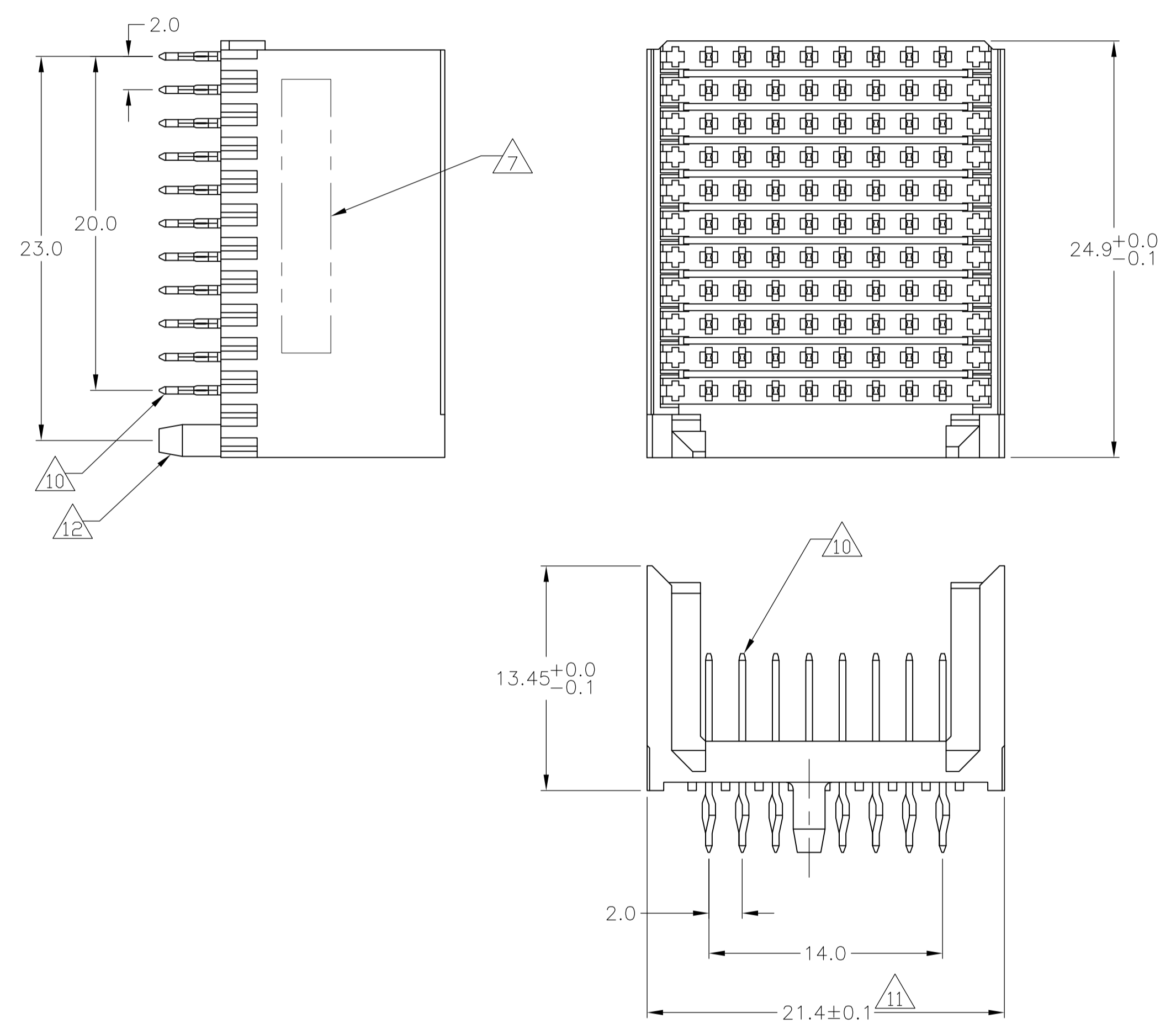
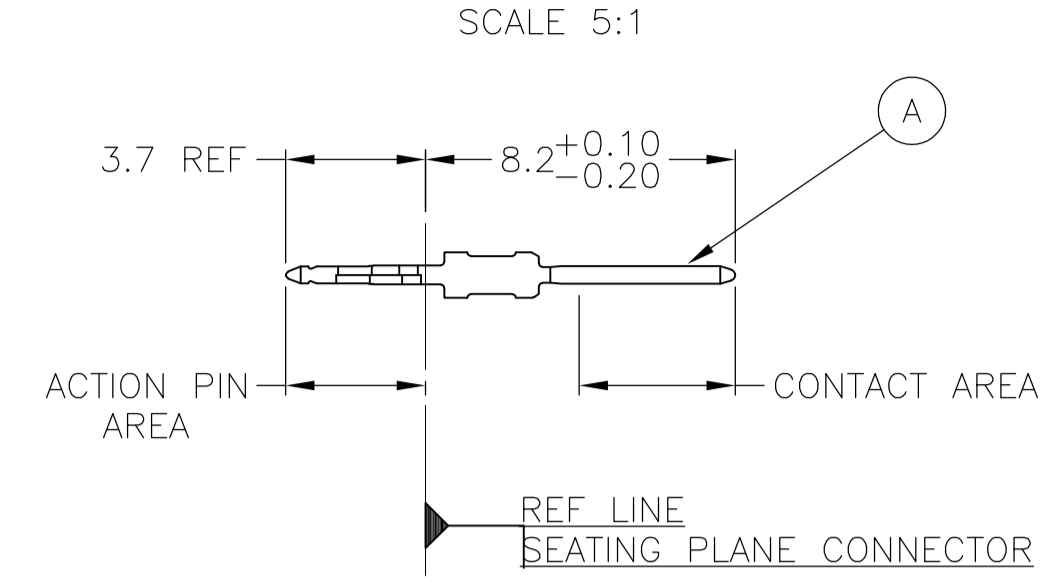


LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION	DATE	DNW	APVD		
E	1	REV PER ECR-10-000662	18JAN2010	JY	SY		
F		ECR-10-018652	10SEP10	JS	MQW		
G		ECR-12-009864	05DEC12	SY	AC		

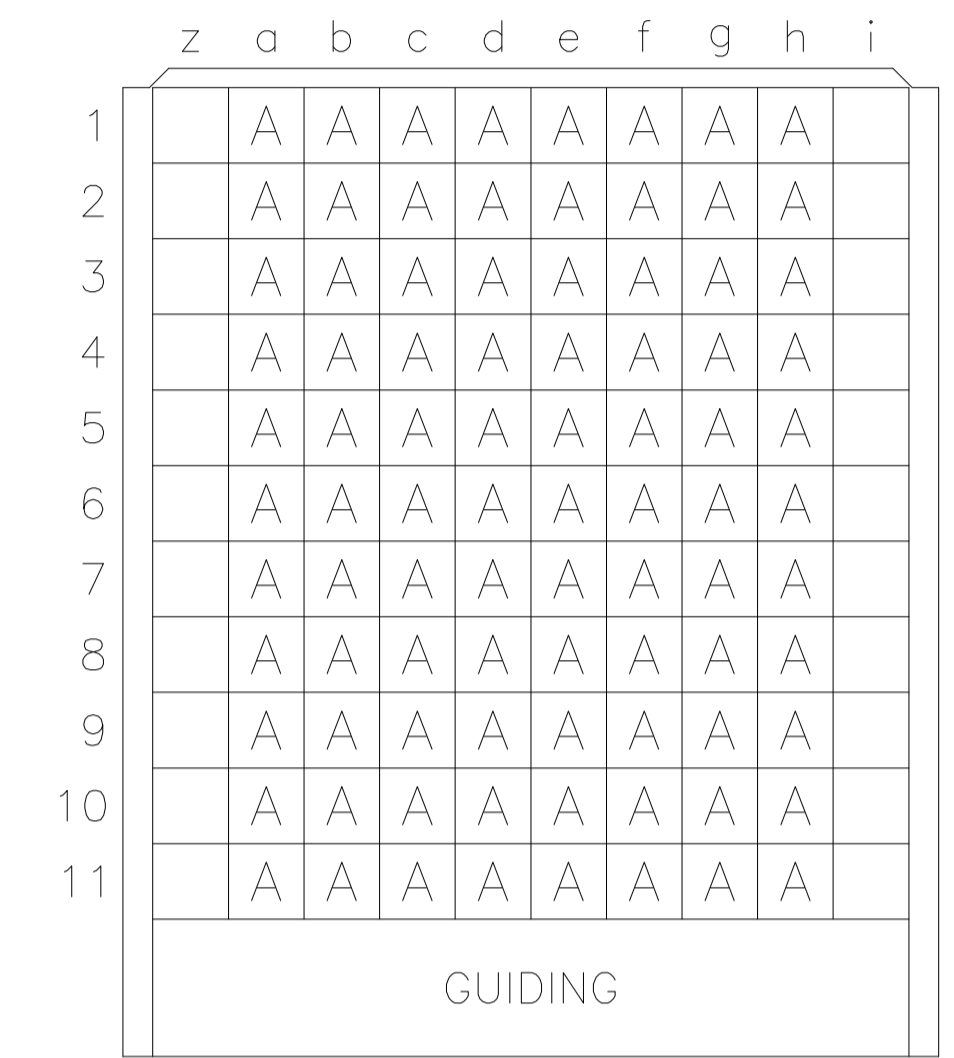
### CONNECTOR ASSEMBLY EXAMPLARY LOADED 9



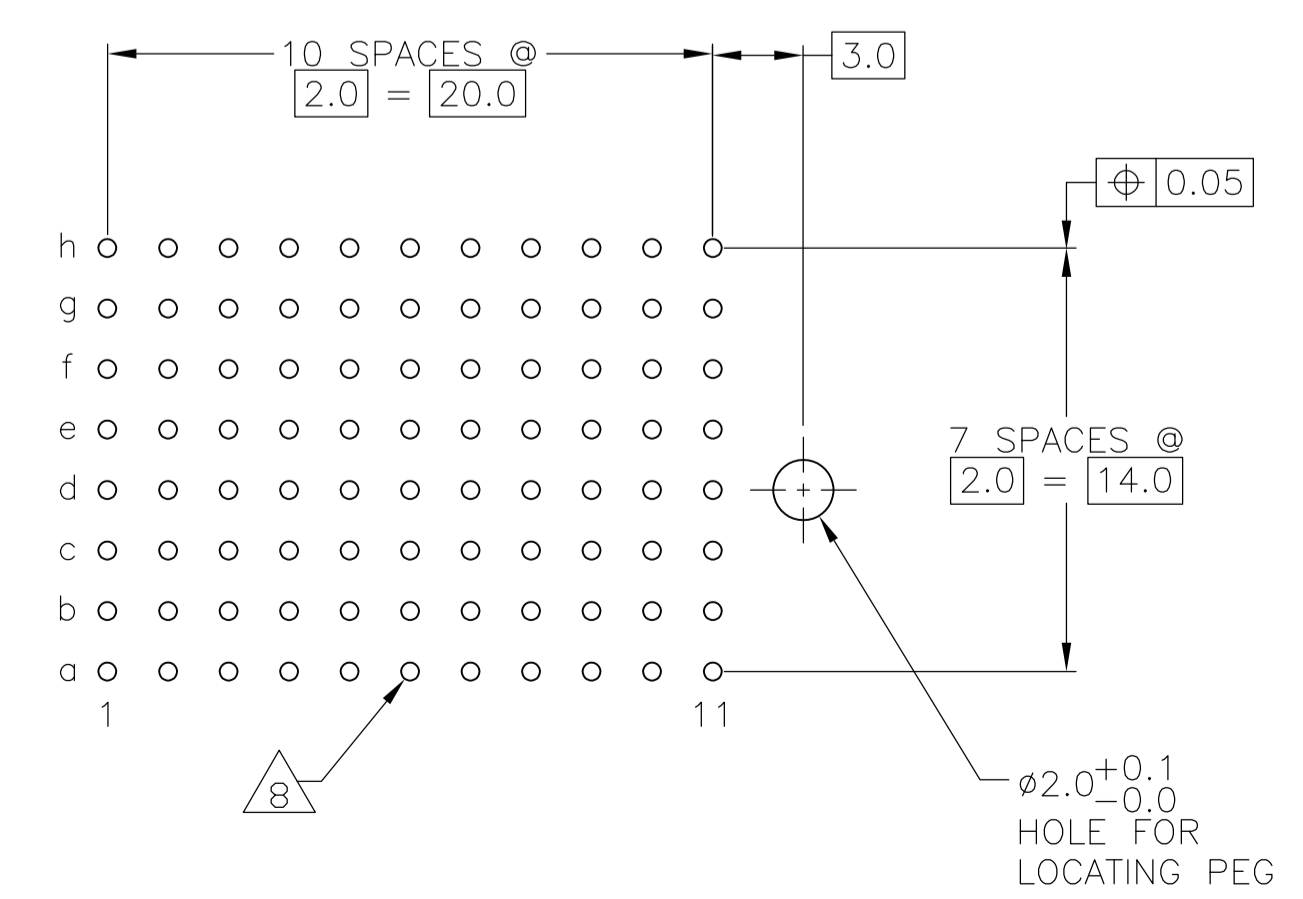
### CONTACT DIMENSIONS



### CONTACT LAYOUT



### RECOMMENDED PCB-HOLE LAYOUT COMPONENT SIDE SHOWN



### PLATED THRU HOLES PARAMETERS


REFERENCE APPLICATION SPECIFICATION

<span style="border: 1px solid black; padding: 2px;">2</span>	<span style="border: 1px solid black; padding: 2px;">3</span>	<span style="border: 1px solid black; padding: 2px;">14</span>	3-646457-0
<span style="border: 1px solid black; padding: 2px;">2</span>	<span style="border: 1px solid black; padding: 2px;">6</span>	<span style="border: 1px solid black; padding: 2px;">13</span>	1-646457-9
<span style="border: 1px solid black; padding: 2px;">2</span>	<span style="border: 1px solid black; padding: 2px;">5</span>	<span style="border: 1px solid black; padding: 2px;">13</span>	646457-9
<span style="border: 1px solid black; padding: 2px;">2</span>	<span style="border: 1px solid black; padding: 2px;">4</span>		646457-4
<span style="border: 1px solid black; padding: 2px;">2</span>	<span style="border: 1px solid black; padding: 2px;">3</span>		646457-1
FINISH			PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DNW S. WAITMAN 13JUL05	Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
DIMENSIONS: mm		CHK G. SKIPPER 13JUL05	APVD G. SKIPPER 13JUL05	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME MALE ASSEMBLY, Z-PACK 2mm HM, TYPE F		
0-PLG ±		PRODUCT SPEC 108-19082		
1-PLG ±0.2		APPLICATION SPEC 114-19029		
2-PLG ±0.02		SIZE A1		
3-PLG ±0.005		CAGE CODE 00779		
4-PLG ±0.30°		DRAWING NO 646457		
MATERIAL <span style="border: 1px solid black; padding: 2px;">1</span>		RESTRICTED TO CUSTOMER DRAWING		
SEE TABLE		SCALE 4:1 SHEET 1 OF 2 REV G		

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 LOCATION PEG.
- 13 CONNECTOR LUBRICATED WITH BELCORE APPROVED LUBRICANT,  
TECHNICAL REFERENCE: TR-NWT-001217 ISSUE 1, SEP 1992.
- 14 0.76µm MIN GOLD PLATING AT MATING SURFACES.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN S. WAITMAN 13JUL05 CHK G. SKIPPER 13JUL05 APVD G. SKIPPER 13JUL05	 Tyco Electronics Corporation Harrisburg, Pa 17105-3608
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0-PLC ± .01 1-PLC ± .02 ±0.2 2-PLC ± .002 3-PLC ± .0005 4-PLC ± .0005 ANGLES ± .030°	NAME 108-19082 PRODUCT SPEC APPLICATION SPEC 114-19029	MALE ASSEMBLY, Z-PACK 2mm HM, TYPE F
MATERIAL SEE SHEET 1	FINISH SEE SHEET 1	WEIGHT - CUSTOMER DRAWING	SIZE A1 CAGE CODE 00779 DRAWING NO 646457 RESTRICTED TO -
		SCALE 4:1	SHEET 2 OF 2 REV G