



- THIS CONNECTOR ASSEMBLY IS SUPPLIED WITH METAL CONTACT RETENTION CLIPS INSTALLED IN THE INSERT ASSEMBLY.
- THIS CONNECTOR ASSEMBLY MEETS THE REQUIREMENTS OF MIL-C-24308 AND MATES WITH ANY RECEPTACLE CONNECTOR WITH THE SAME INSERT ARRANGEMENT.
- THE PART NUMBER MARKED ON THE CONNECTOR MAY DIFFER FROM THE PART NUMBER ORDERED DUE TO THE MARKING REQUIREMENTS OF MIL-C-24308/4 (PART NUMBER MARKED ON CONNECTOR REPRESENTS CONNECTOR ASSEMBLY WITH CONTACTS). MARK WITH .047 [1.19]-.062 [1.57] HIGH CHARACTERS. FAR SIDE REFERS TO THE WIDE SIDE OF THE KEYSTONE.
- FULL PIN DIAMETER EXTENSION IS .155 [3.94] MIN. CONTACT NOT INCLUDED - SHOWN FOR DIMENSIONAL REFERENCE ONLY.
- THIS CONNECTOR ASSEMBLY IS DESIGNED TO ACCEPT SIZE 20 CRIMP TYPE PIN CONTACT MILITARY PART NUMBER M39029/64-369 (MFG'S PART NUMBER 205089-1). FOR ALTERNATE CONTACT OPTIONS CONSULT AMP CATALOG.
- MAXIMUM WIRE INSULATION TO BE USED WITH THIS CONNECTOR ASSEMBLY IS .072 [1.83] DIAMETER.
- FOR CONTACT CRIMPING INSTRUCTION SHEET REFER TO AMP IS 7516. FOR CONTACT INSTALLATION AND REMOVAL INSTRUCTION SHEET REFER TO AMP IS 7508.
- PART NUMBER FOR ORDERING.
- DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1982.
- THIS DRAWING SHALL BE INTERPRETED IN ACCORDANCE WITH APPLICABLE STANDARDS LISTED IN MIL-STD-100.
- FINISH: CADMIUM PER QQ-P-416, TYPE II, CLASS 2 OVER COPPER PER AMS2418, CLASS 4.
- FINISH: TIN PER ASTM-B-545, .000200 [0.0051] MIN THK OVER COPPER PER AMS2418, .000050 [0.00127] MIN THK OR TIN-LEAD COMPOSITION 93/7, .000200 [0.0051] MIN THK OVER COPPER PER AMS2418, .000050 [0.00127] MIN THK.
- FRONT SHELL HAS GROUNDING INDENTS ON 205168-5 & -6 ONLY.
- FINISH: BRIGHT TIN PER ASTM-B-545, .000400 [0.0101]-.000550 [0.0139] THK OVER COPPER PER AMS2418, .000050 [0.00127] MIN THK.

OBSOLETE	14	MS18276-1	37	4	-	-	205168-7	205168-7
	13, 14	MS18276-1	37	4	-	-	205168-6	205168-6
	12, 13	MS18276-1	37	4	-	-	205168-5	205168-5
OBSOLETE	-	-	-	-	-	-	-	205168-4
SUPSD BY 205292-1	11	MS18276-1	37	4	-	-	205168-3	205168-3
SUPSD BY 206802-2	11	MS18276-1	37	4	-	-	205562-4	205168-2
	11	MS18276-1	37	4	M24308/4-262F	M24308/4-4F	205562-2	205168-1
REMARKS		INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	PACKAGE MILITARY P/N	MILITARY P/N ON CONNECTOR	MFG'S P/N ON CONNECTOR	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ± .005	1 PLC ± .005	2 PLC ± .005	3 PLC ± .005	4 PLC ± .005	ANGLES ± .1°
MATERIAL: SEE CALLOUTS	FINISH: SEE CALLOUTS	WEIGHT: -	SIZE: A1	CAGE CODE: 00779	DRAWING NO: 205168	RESTRICTED TO: -	CUSTOMER DRAWING

DWN: AJ GRAFF 26-FEB-93
 CHK: R GILLMAN 01-MAR-93
 APD: R GILLMAN 01-MAR-93
 NAME: R GILLMAN
 PRODUCT SPEC: MIL-C-24308
 APPLICATION SPEC: -
 Tyco Electronics Corporation, Harrisburg, PA 17105-3608
 AMPLIMITE PLUG ASSY WITHOUT SIZE 20 CRIMP TYPE PIN CONTACTS SERIES 109, SHELL SIZE 4
 SCALE: 4:1 SHEET 1 OF 1 REV U