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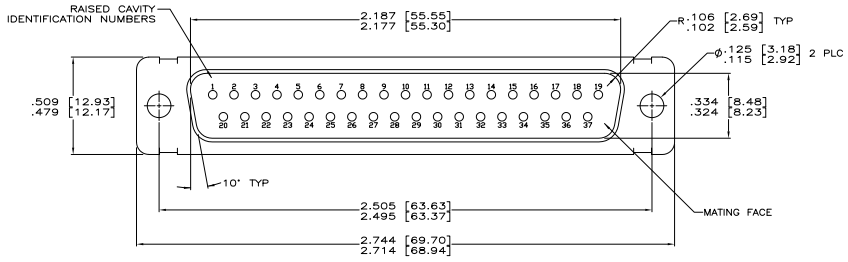
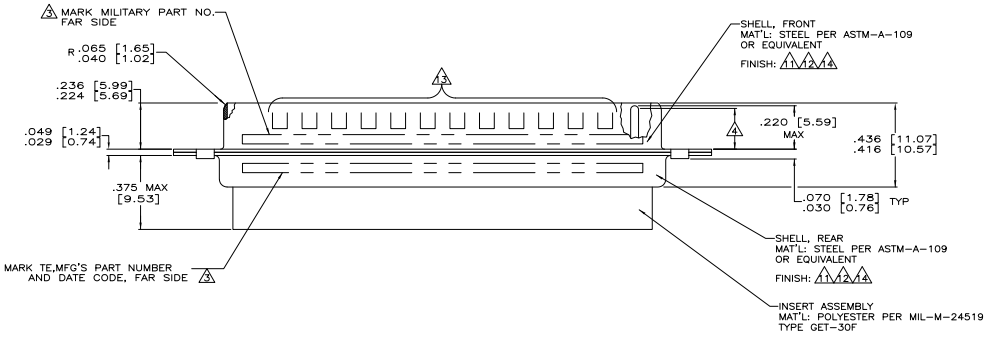
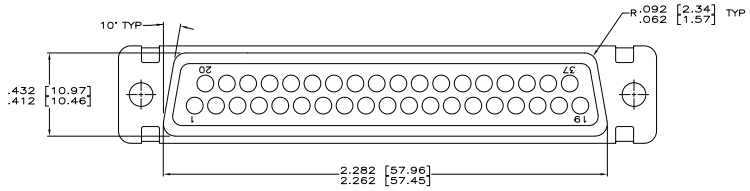
LOC	DIST
DF	DO

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	V	REV PER ECO-09-013174	30-03-09	CT	RL







1. THIS CONNECTOR ASSEMBLY IS SUPPLIED WITH METAL CONTACT RETENTION CLIPS INSTALLED IN THE INSERT ASSEMBLY.
2. THIS CONNECTOR ASSEMBLY MEETS THE REQUIREMENTS OF MIL-C-24308 AND MATES WITH ANY RECEPTACLE CONNECTOR WITH THE SAME INSERT ARRANGEMENT.
3. 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.
4. FULL PIN DIAMETER EXTENSION IS .155 [3.94] MIN. CONTACT NOT INCLUDED - SHOWN FOR DIMENSIONAL REFERENCE ONLY.
5. 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 TE CATALOG.
6. MAXIMUM WIRE INSULATION TO BE USED WITH THIS CONNECTOR ASSEMBLY IS .072 [1.83] DIAMETER.
7. FOR CONTACT CRIMPING INSTRUCTION SHEET REFER TO TE IS 7516. FOR CONTACT INSTALLATION AND REMOVAL INSTRUCTION SHEET REFER TO TE IS 7508.
8. PART NUMBER FOR ORDERING.
9. DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1982.
10. THIS DRAWING SHALL BE INTERPRETED IN ACCORDANCE WITH APPLICABLE STANDARDS LISTED IN MIL-STD-100.

11. FINISH: CADMIUM PER QQ-P-416, TYPE II, CLASS 2 OVER COPPER PER AMS2418, CLASS 4.
12. FINISH: TIN PER ASTM-B-545, .000200 [0.0051] MIN THK OVER COPPER PER AMS2418, .000050 [0.00127] MIN THK
13. FRONT SHELL HAS GROUNDING INDENTS ON 205168-5 & -6 ONLY.
14. FINISH: BRIGHT TIN PER ASTM-B-545, .000400 [0.0101]-.000550 [0.0139] THK OVER COPPER PER AMS2418, .000050 [0.00127] MIN THK.

REMARKS	INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	PACKAGE MILITARY P/N 8	MILITARY P/N ON CONNECTOR 3	MFG'S P/N ON CONNECTOR 3	PART NUMBER 8
OBSOLETE	MS18276-1	37	4	–	–	205168-7	205168-7
	MS18276-1	37	4	–	–	205168-6	205168-6
	MS18276-1	37	4	–	–	205168-5	205168-5
OBSOLETE	–	–	–	–	–	–	205168-4
SUPSD BY 205292-1	MS18276-1	37	4	–	–	205168-3	205168-3
SUPSD BY 206802-2	MS18276-1	37	4	–	–	205562-4	205168-2
	MS18276-1	37	4	M24308/4-262F	M24308/4-4F	205562-2	205168-1

THIS DRAWING IS A CONTROLLED DOCUMENT.
DIMENSIONS: INCHES
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± –, 1 PLC ± –, 2 PLC ± –, 3 PLC ± –, 4 PLC ± –, ANGLES ± 2°
MATERIAL: SEE CALLOUTS
FINISH: SEE CALLOUTS

DRAWN: A.J. GRAFF
CHECKED: R.GILLMAN
APVD: R.GILLMAN
PRODUCT SPEC: MIL-C-24308
APPLICATION SPEC: –
WEIGHT: –

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME: AMPLIMITE PLUG ASSY WITHOUT SIZE 20 CRIMP TYPE PIN CONTACTS SERIES 109, SHELL SIZE 4

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-205168	–

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 1 | REV V

4805 (1/98)

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