



- 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 DIFFERS FROM THE PART NUMBER ORDERED DUE TO THE MARKING REQUIREMENTS OF MIL-C-24308/8 (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. NEAR SIDE REFERS TO THE NARROW SIDE OF THE KEYSTONE. IF THE REAR SHELL IS TOO SMALL FOR THE ENTIRE MILITARY PART NUMBER, MARKING SHALL BE LOCATED AS FOLLOWS:
 A. "M24308" ON FRONT SHELL, FAR SIDE.
 B. SLASH SHEET AND DASH NUMBER ON REAR SHELL, FAR SIDE.
 C. "AMP" AND DATE CODE ON FRONT SHELL, NEAR SIDE.
 D. AMP PART NUMBER ON REAR SHELL, NEAR SIDE.
 IF THE FRONT SHELL IS TOO SMALL FOR "AMP", AMP PART NUMBER AND DATE CODE, THEN SPLIT AS FOLLOWS:
 A. AMP PART NUMBER ON REAR SHELL, NEAR SIDE.
 B. "AMP" AND DATE CODE ON FRONT SHELL, NEAR SIDE.
 C. MILITARY PART NUMBER ON REAR SHELL, FAR SIDE.
- REQUIREMENT FOR FULL PIN DIAMETER EXTENSION:
 .164 [4.17] MIN. SHELL SIZES 1 AND 2.
 .155 [3.94] MIN. SHELL SIZES 3, 4, AND 5.
 CONTACT SHOWN INSTALLED FOR DIMENSIONAL REFERENCE ONLY.
- MAXIMUM WIRE INSULATION TO BE USED WITH THIS CONNECTOR ASSEMBLY IS .054 [1.37] DIAMETER.
- FOR CONTACT CRIMPING INSTRUCTION SHEET REFER TO AMP IS 408-7516. FOR CONTACT INSTALLATION AND REMOVAL INSTRUCTION SHEET REFER TO AMP IS 408-7508.
- 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.

| MILITARY P/N | AMP P/N | MILITARY P/N | AMP P/N | MILITARY P/N | AMP P/N | MILITARY P/N | AMP P/N | MILITARY P/N | AMP P/N | MILITARY P/N | AMP P/N | MILITARY P/N | AMP P/N | MILITARY P/N | AMP P/N | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------|--------------|---------|--------------------|--------------|--------------|----------------------|---------------------------|----------------------|-------------|
| .544 [13.82] | 2.188 [55.58] | .620 [15.75] | .446 [11.33] | 2.411 [61.24] | 2.084 [52.93] | 2.650 [67.31] | M518277-2 | 78 | 5 | M24308/8-21F | M24308/8-15F | 593061-5 | 593062-5 | | | |
| .049 [1.24] | 2.282 [57.96] | .990 [25.15] | .436 [11.07] | 2.451 [62.00] | 2.074 [52.68] | 2.620 [66.65] | M518276-2 | 62 | 4 | M24308/8-20F | M24308/8-14F | 593061-4 | 593062-4 | | | |
| .029 [0.74] | 2.362 [59.46] | 1.224 [31.15] | .416 [10.57] | 2.498 [63.37] | 2.177 [55.30] | 2.714 [68.94] | M518275-2 | 44 | 3 | M24308/8-19F | M24308/8-13F | 593061-3 | 593062-3 | | | |
| | 1.635 [41.53] | 1.857 [47.17] | 1.539 [39.09] | 2.103 [53.42] | 1.847 [46.91] | 1.529 [38.84] | M518274-2 | 26 | 2 | M24308/8-18F | M24308/8-12F | 593061-2 | 593062-2 | | | |
| .432 [10.97] | 1.635 [41.53] | 1.857 [47.17] | 1.539 [39.09] | 2.103 [53.42] | 1.847 [46.91] | 1.529 [38.84] | M518273-2 | 15 | 1 | M24308/8-17F | M24308/8-11F | 593061-1 | 593062-1 | | | |
| .040 [1.02] | 1.093 [27.76] | .241 [6.12] | .432 [10.97] | 1.317 [33.45] | .989 [25.37] | 1.556 [39.52] | | | | | | | | | | |
| .020 [0.51] | 1.073 [27.25] | .229 [5.82] | .412 [10.46] | .989 [25.12] | .671 [17.04] | 1.228 [31.19] | | | | | | | | | | |
| | .749 [19.02] | | | .979 [24.87] | .661 [16.79] | 1.198 [30.43] | | | | | | | | | | |
| L | J | H | G | F | E | D | C | B | A | INSERT ARRANGEMENT | NO OF POS | SHELL SIZE | PACKAGE MILITARY P/N | MILITARY P/N ON CONNECTOR | AMP P/N ON CONNECTOR | PART NUMBER |

THIS DRAWING IS A CONTROLLED DOCUMENT. CONTROLLED BY: 10-36-02
 REVISIONS: 12-14-02
 ELLMAN
 AMPLITE NONMAGNETIC PLUG ASSY WITH SIZE 22 CRIMP TYPE PIN CONTACTS AND TOOL, SERIES 90, MIL-C-24308
 SIZE: 10077912=593062
 CUSTOMER DRAWING