RELEASED FOR PUBLICATION THIS DRAWING IS UNPUBLISHED. REVISIONS ALL RIGHTS RESERVED DESCRIPTION DATE DWN APVI | 050СТ06 | РҮ | DM C | REV PER ECO-06-018048 1. THIS CONNECTOR ASSEMBLY IS SUPPLIED WITH METAL CONTACT RETENTION CLIPS INSTALLED IN THE INSERT ASSEMBLY. RAISED CAVITY-INDENTIFICATION NUMBERS 2. THIS CONNECTOR ASSEMBLY MEETS THE REQUIREMENTS OF MIL-C-24308AND 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 100005 MIL-C-24308/4 (PART NUMBER MARKED ON CONNECTOR REPRESENTS .509 [12.93] .479 [12.17] .334 [8.48] .324 [8.23] CONNECTOR ASSEMBLY WITH CONTACTS). 60000010 MARK WITH .047 [1.19]-.062 [1.57] HIGH CHARACTERS. 1100000015/ FAR SIDE REFERS TO THE WIDE SIDE OF THE KEYSTONE. NEAR SIDE REFERS TO THE NARROW SIDE OF THE KEYSTONE. MARKING SHALL BE LOCATED AS FOLLOWS: A. "M24308" ON FRONT SHELL, FAR SIDE. B. SLASH SHEET AND DASH NUMBER ON REAR SHELL, FAR SIDE. 10° TYP C. "AMP" AND DATE CODE ON FRONT SHELL, NEAR SIDE. D. AMP PART NUMBER ON REAR SHELL, NEAR SIDE. -MATING FACE 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. -SHELL, FRONT C. MILITARY PART NUMBER ON REAR SHELL, FAR SIDE. MATL: STEEL PER ASTM A 109 OR EQUIVALENT 4 FULL PIN DIAMETER EXTENSION IS .164 [4.17] MIN. FINISH: CADMIUM PER QQ-P-416, R.065 [1.65] .040 [1.02] CONTACT SHOWN INSTALLED FOR DIMENSIONAL REFERENCE ONLY. TYPE II, CLASS 2 OVER COPPER PER MIL-C-14550, CLASS 4 5. MAXIMUM WIRE INSULATION TO BE USED WITH THIS CONNECTOR ASSEMBLY IS .054 [1.37] DIAMETER. .241 [6.12] .229 [5.82] 6. FOR CONTACT CRIMPING INSTRUCTION SHEET REFER TO AMP IS 408-7516. .040 [1.02] ₋ .020 [0.51] .220 [5.59] MAX FOR CONTACT INSTALLATION AND REMOVAL INSTRUCTION SHEET REFER TO .432 [10.97] AMP IS 408-7508. .412 [10.46] A PART NUMBER FOR ORDERING. .375 MAX L.070 [1.78] _{TYP} .030 [0.76] 8. DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1982. [9.53] 9. THIS DRAWING SHALL BE INTERPRETED IN ACCORDANCE WITH APPLICABLE -SHELL, REAR STANDARDS LISTED IN MIL-STD-100. MATL: STEEL PER ASTM A 109 OR EQUIVALENT FINISH: CADMIUM PER QQ-P-416, TYPE II, CLASS 2 OVER COPPER PER MIL-C-14550, CLASS 4 -INSERT ASSEMBLY MATL: POLYPHENEYLENE SULFIDE -BLACK COLOR CODE BAND (PPS) GST-40F PER MIL-M-24519 OR GLASS FILLED POLYESTER, -BLUE COLOR TPES013G30 PER ASTM D5927 CODE BAND COLOR, BLACK -R.092 [2.34] TYP .062 [1.57] SCALE 1:1 -ORANGE COLOR CODE BAND 10° TYP—— INSTALLATION & REMOVAL TOOL MIL P/N M81969/1-04CONTACT AMP P/N 91067-1QTY 1 MIL P/N M39029/58-360AMP P/N 204370-2.432 [10.97] .412 [10.46] <u>.</u>769 [19.53] 593028-1 MS18273-2 15 593027-1 M24308/4-17FM24308/4-11F.749 [19.02] MILITARY P/N/ $\sqrt{3}$ INSERT PACKAGE AMP P/N NO OF SHELL PART NUMBER $\sqrt{7}$ ARRANGEMENT POS SIZE MILITARY P/N ON CONNECTOR ON CONNECTOR THIS DRAWING IS A CONTROLLED DOCUMENT. tyco Tyco Electronics Corporation AJ GRAFF 10-29-92 Harrisburg, PA 17105-3608 Electronics B.GILLMAN TOLERANCES UNLESS OTHERWISE SPECIFIED: INCHES AMPLIMITE PLUG ASSY WITH SIZE 22 CRIMP TYPE PIN CONTACTS ± -± .005 [0.13] AND TOOL, SERIES 90, SHELL SIZE 1 APPLICATION SPEC SIZE CAGE CODE DRAWING NO A 1 |00779 **C-**593028 SEE CALLOUTS SEE CALLOUTS SCALE 4:1 SHEET 1 OF 1 REV USTOMER DRAWING AMP 4805 REV 31MAR2000