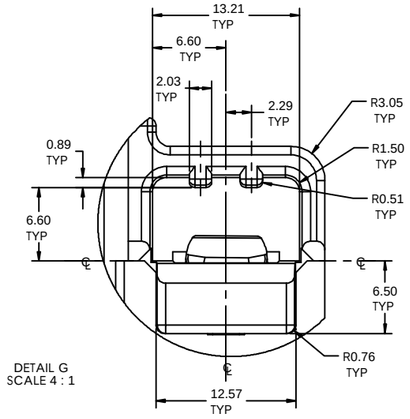
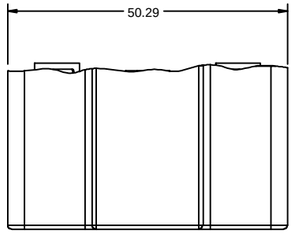
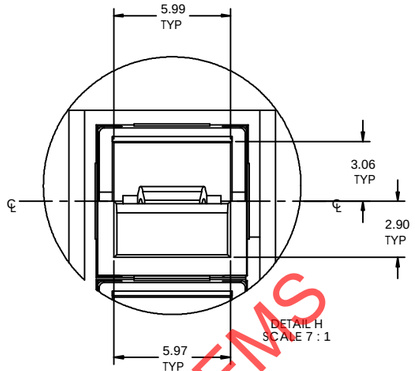
NOTICE

THIS DRAWING, OR PORTIONS OF IT, ARE CONTROLLED BY THE ELECTRICAL WIRING COMPONENTS APPLICATION PARTNERSHIP (EWCAP), A SUBGROUP OF THE UNITED STATES CONSORTIUM FOR AUTOMOTIVE RESEARCH (USCAR). USCAR IS A PARTNERSHIP BETWEEN DAIMLERCHRYSLER CORPORATION, FORD MOTOR COMPANY, AND GENERAL MOTORS CORPORATION. ANY CHANGE TO A EWCAP CONTROLLED PORTION OF THIS DRAWING, INCLUDING A "RECORD CHANGE", MUST BE APPROVED, IN WRITING, BY THE RESPONSIBLE EWCAP MEMBER FROM EACH USCAR COMPANY. EACH EWCAP MEMBER AUTHORIZED TO SIGN FOR HIS OR HER COMPANY IS RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS WITHIN THAT COMPANY PRIOR TO SIGNING FOR APPROVAL OF THE CHANGE. EWCAP EXPRESSLY PROHIBITS ANY PARTY FROM CHANGING EITHER ANY EWCAP CONTROLLED PORTION OF THIS DRAWING OR ANY ASSOCIATED TOOLING BEFORE RECEIVING AN APPROVAL SIGNED BY AN AUTHORIZED REPRESENTATIVE FROM EACH EWCAP PARTNER. REFERENCE TO THE SIGNED APPROVAL FORM MUST BE ENTERED IN THIS DRAWING'S CONTROL COLUMN.

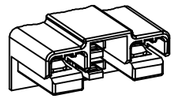


DETAIL G
SCALE 4 : 1

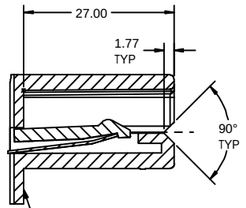




DETAIL H
SCALE 7 : 1

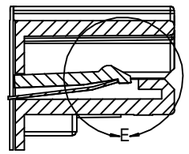


ISOMETRIC VIEW
SCALE 1:1

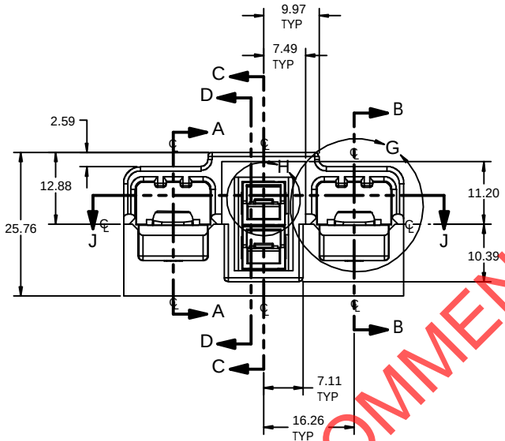


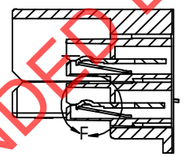
SECTION B-B

CONSTRUCTION BEHIND THIS SURFACE
IS NOT CONTROLLED BY EWCAP. NO PLASTIC
FEATURES MAY EXTEND IN FRONT OF THIS SURFACE



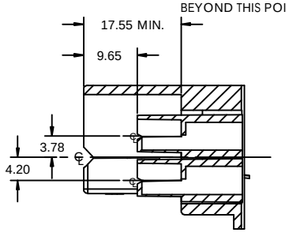
SECTION A-A



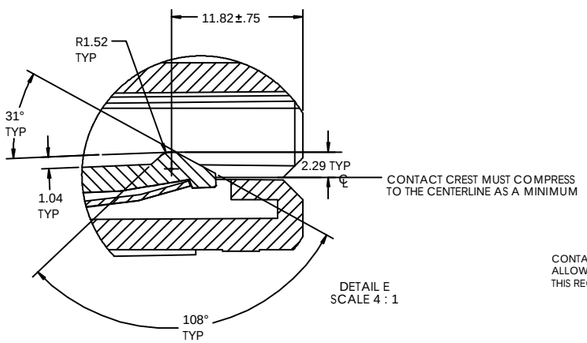


SECTION C-C

NO PLASTIC FEATURES
BEYOND THIS POINT

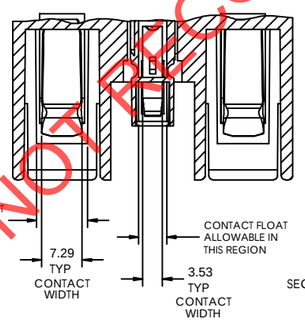


SECTION D-D

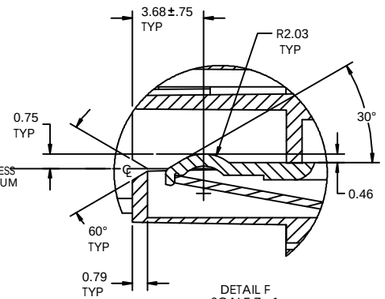


CONTACT CREST MUST COMPRESS
TO THE CENTERLINE AS A MINIMUM

DETAIL E
SCALE 4 : 1



SECTION J-J



CONTACT CREST MUST COMPRESS
TO THE CENTERLINE AS A MINIMUM

DETAIL F
SCALE 7 : 1

NOTES:

1. ALL DIMENSIONS NEEDING DRAFT ARE 1/2° MIN DRAFT ANGLE. ALL DIMENSIONS SHOWN ARE AT MAX. MATERIAL
2. FORCE TO DEFLECT CONTACT SPRINGS TO THE MATING HEIGHT ARE AS FOLLOWS:
   POWER CONTACT SPRING = 1.13 kilogram
   AUXILIARY CONTACT SPRING = .57 kilogram
3. THE AUXILIARY HOUSING CAN BE AN INTEGRAL PART OF THE MAIN HOUSING OR CAN BE A SEPARATE ASSEMBLY.

CONNECTOR PHYSICAL AND ELECTRICAL REQUIREMENTS

BASE CONTACT MATERIAL: COPPER ALLOY

ELECTRICAL CONDUCTIVITY: > 28% IACS AT 20°C (AS ANNEALED)
USE OF MATERIALS WITH <28% IACS OF OR NON-COPPER ALLOYS
ARE ACCEPTABLE WHEN APPROVED BY THE RESPONSIBLE ENGINEER.

CONTACT AREA PLATING: TIN OR SILVER - FOR UP TO 105°C MAX. CONTINUOUS TEMPERATURE
PLATING THICKNESS TO BE .0050 mm. [.0002 MICRO INCHES] MIN.

NOT RECOMMENDED BY OEMS

ANDERSON POWER PRODUCTS

APP CAD FILE #: 01636

-	A	RELEASED	9-27-02	G.N	
DRAWING SERIAL NUMBER	LET	REVISION RECORD	DATE	DWN	CHK

TOLERANCES (UNLESS OTHERWISE SPECIFIED)
DIMENSIONS ARE IN MILLIMETERS
ANGLES ±2°
.X X ±.4 .XXX ±.13
THIRD ANGLE PROJECTION

EWCAP

SCALE 2X | DRAWN BY B. LENTO | CHECKED BY | DATE 7/30/02

TITLE
42V JUMP START CONNECTOR

SHEET	DRAWING NUMBER	SIZE	DO NOT SCALE DRAWING	REVISION LETTER
1 OF 1	999 U 004 2 A01	D	COMPUTER AIDED DRAWING	A