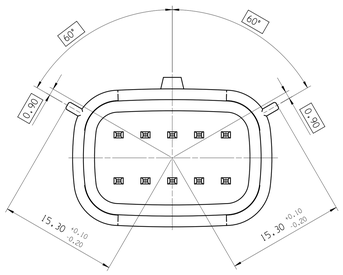
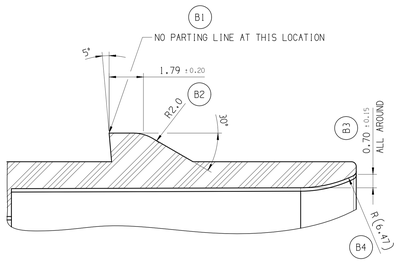
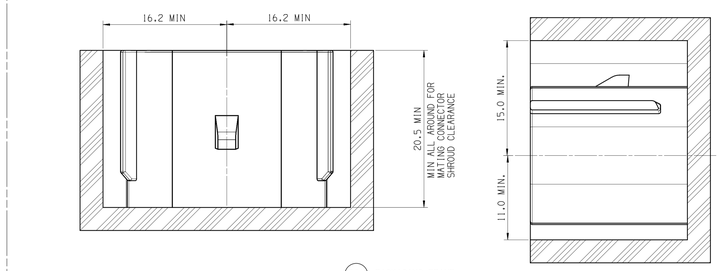
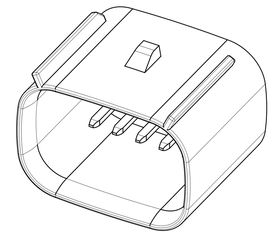


KEYING OPTION A

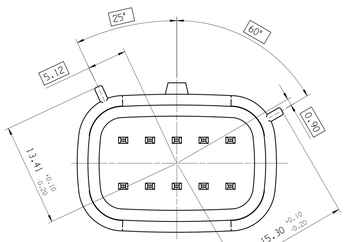


DETAIL E
SCALE 10:1

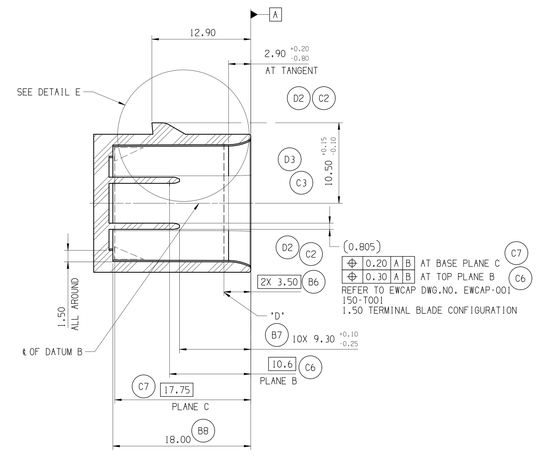




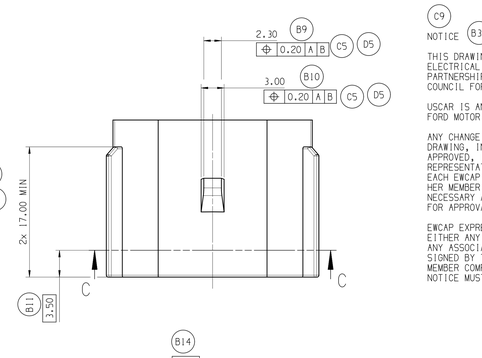
ISO VIEW B29

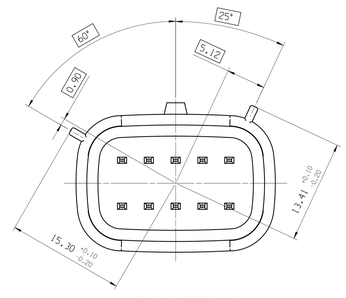


KEYING OPTION B

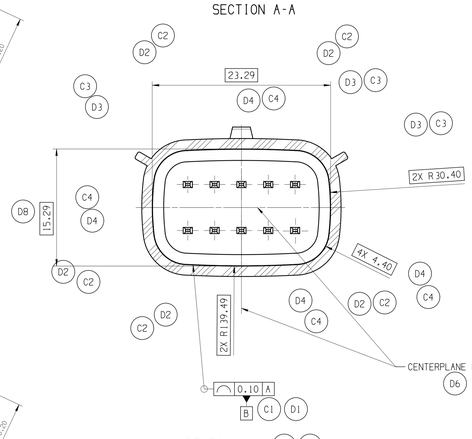


SECTION A-A

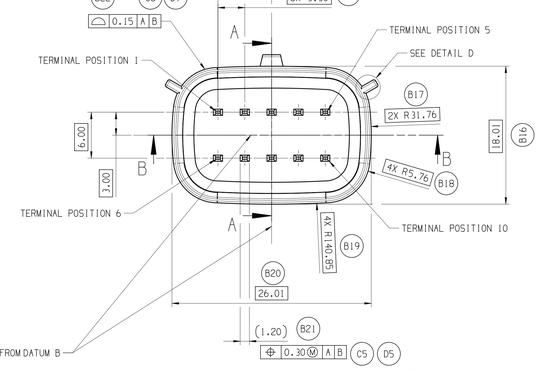


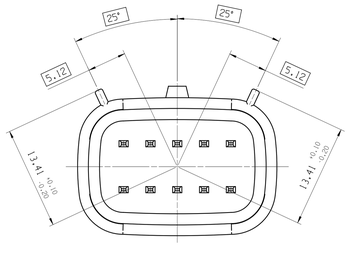


KEYING OPTION C

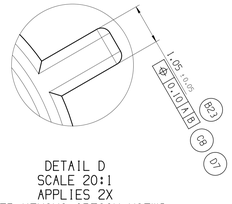


SECTION C-C B12 B13

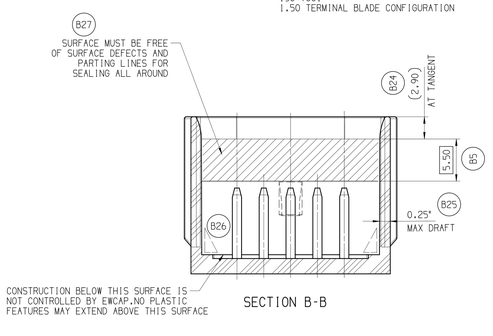




KEYING OPTION D



DETAIL D
SCALE 20:1
APPLIES 2X
SEER KEYING OPTION VIEWS
FOR POSITIONS



SECTION B-B

B28

150-S-010-2-D01	D	BLACK
150-S-010-2-C01	C	BROWN
150-S-010-2-B01	B	GREY
150-S-010-2-A01	A	BLACK
EWCAP P/N	OPTION	MATING CONNECTOR COLOR

C9
NOTICE B32

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B30
NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL DIMENSIONS SHOWN IN MILLIMETERS. D9
2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009
3. 0.25 RADII ON ALL CORNERS SHOWN SHARP.
4. UNSPECIFIED RADII: 0.25 EXCEPT AS NOTED
5. STANDARD COLORS FOR POLARIZATION (SEE CHART). DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.
6. REFER TO 'SAE/USCAR 12 CONNECTOR GUIDELINES' FOR ADDITIONAL REQUIREMENTS.
7. EXCEPT WHERE NOTED, DRAFT ON OUTSIDE SURFACES IS PERMISSIBLE WITHIN TOLERANCE.
8. ⊿ SYMBOL INDICATES DRAFT DIRECTION.
9. FOR TERMINAL MATERIAL, DIMENSIONAL, COATING REQUIREMENTS AND ANY BLADE TERMINAL DESIGN INFORMATION NOT SHOWN ON THIS DRAWING SEE EWCAP DRW. NO. EWCAP-001
10. A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THAT THE CONNECTOR-HEADER POLARIZATION FEATURES (OPTIONS A THRU D) WILL FUNCTION. THE FULL SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER PINS. REFER TO 'SAE/USCAR-12 CONNECTOR DESIGN GUIDE LINES' FOR ADDITIONAL INFORMATION.
11. REFER TO USCAR/EWCAP PART LIST AS FOUND ON WEBSITE http:// www.uscarteams.org
12. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING. ANALYZE THE CAD MODEL.

DELPHI
DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE

140	D9	NOTE 2 Y14.5M-2009 WAS Y-14.5M-1994			
	D8	15.29 WAS 2X 14.93			
	D7	⌓ 0.15 A B WAS ⌓ 0.15 A B C; ⌖ 0.10 A B WAS ⌖ 0.10 A B C			
	D6	WAS CL OF DATUM B & DATUM C			
	D5	⌖ 0.30Ⓜ A B WAS ⌖ 0.30Ⓜ A C; ⌖ 0.20 A B WAS ⌖ 0.20 A C			
	D4	REMOVED BASIC DIMENSIONS			
	D3	WAS DATUM C AND TARGET POINTS			
	D2	WAS DATUM B AND TARGET POINTS			
	D1	ADDED DATUM B	02-21-17	DCG	RCB
132	C9	UPDATED NOTICE			
	C8	⌓ 0.15 A B C WAS ⌓ 0.15 A B			
	C7	ADDED PLANE C			
	C6	ADDED PLANE B			
	C5	⌖ 0.20 A C WAS ⌖ 0.20 A B			
	C4	ADDED BASIC DIMENSIONS			
	C3	ADDED DATUM C & POINTS			
	C2	ADDED DATUM B & POINTS			
	C1	REMOVED DATUM B	09-01-16	SM	RCB
095	B32	NOTICE ADDED	06-07-12	SMR	SSS
095	B31	PACKAGING FRAME ADDED			
095	B30	UPDATED NOTES			
095	B29	CHANGED ISO VIEW SCALE TO 4:1 WAS 1:1			
095	B28	COLOR BLACK WAS GREEN			
095	B27	MOVED NOTE TO SECTION B-B			
095	B26	SHOWN DRAFT ANGLE DIRECTION			
095	B25	ADDED 0.25° MAX DRAFT ANGLE			
095	B24	ADDED 12.901			
095	B23	⌖ 0.10 A B WAS ⌖ 0.10Ⓜ A B			
095	B22	ADDED ⌓ 0.15 A B			
095	B21	ADDED NOTE TO TERMINAL BLADE			
095	B20	CHANGED TO BASIC FROM REFERENCE DIMENSION			
095	B19	ADDED 4X R140.95			
095	B18	ADDED 4X R5.76			
095	B17	ADDED 2X R31.76			
095	B16	CHANGED TO BASIC FROM REFERENCE DIMENSION			
095	B15	UPDATED DIM 8X3.50 WAS 4X3.50			
095	B14	REMOVED 2X FROM DIM 7.00			
095	B13	DATUM 'D' DIMENSIONS MOVED TO SECTION C-C			
095	B12	ADDED SECTION C-C			
095	B11	ADDED 3.50			
095	B10	ADDED ⌖ 0.20 A B			
095	B9	ADDED ⌖ 0.20 A B			
095	B8	CHANGED TO NOMINAL FROM BASIC DIM.			
095	B7	UPDATED TO 10X FROM 5X			
095	B6	SURFACE 'D' RELOCATED TO 3.50 WAS AT 8.20			
095	B5	ADDED 5.50 IN SECTION B-B			
095	B4	ADDED R16.47			
095	B3	ADDED 0.70±0.15 ALL AROUND			
095	B2	R2.0 WAS R2.00			
095	B1	ADDED PARTING LINE NOTE TO DETAIL A			
-	A	RELEASED	01/23/04	MJTHU	FAH
CHANGE SERIAL NUMBER	LET	REVISION RECORD	DATE	DWN	CHK

TOLERANCES (UNLESS OTHERWISE SPECIFIED)
DIMENSIONS ARE IN MILLIMETERS
ANGLES ± 2°
X.X ± 0.25 X.XX ± 0.10
THIRD ANGLE PROJECTION

EWCAP

SCALE	DRAWN BY	CHECKED BY	DATE
4:1	RANGARAJAN	FRANK HOLUB	01-22-04

TITLE
DIRECT CONNECT INTERFACE
10 WAY 12 X 5.1 1.5mm SEALED MALE

SHEET	DRAWING NUMBER	SIZE	DO NOT SCALE DRAWING	REVISION LEVEL
1 OF 1	150-S-010-2-Z01	E	COMPUTER AIDED DRAWING	D

E SIZE SHEET