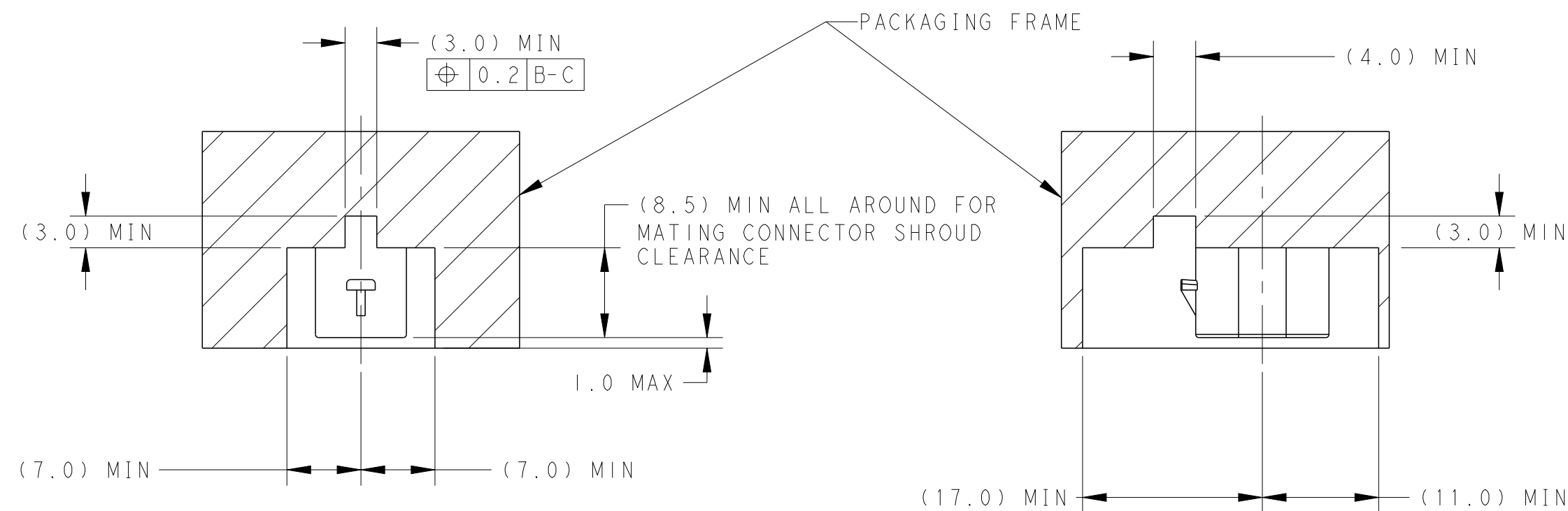
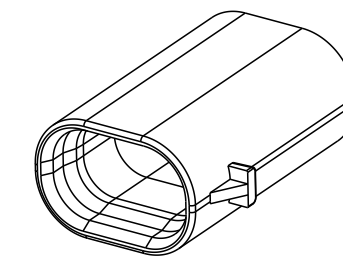




POLARIZATION VIEWS



IF THE HEADER IS RECESSED INTO A POCKET, THESE DIMENSIONS REPRESENT THE MINIMUM CLEARANCE REQUIRED FOR THE MATING CONNECTOR SHROUD.



1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M.
2. 0.25 MAX RADII ON ALL CORNERS SHOWN SHARP.
3. ALL UNSPECIFIED RADII 0.25 MAX.
4. STANDARD COLORS FOR POLARIZATION (SEE CHART IN LEFT LOWER CORNER OF THE DRAWING SHEET)
5. REFER TO "SAE/USCAR-12 CONNECTOR DESIGN CRITERIA" FOR ADDITIONAL REQUIREMENTS.
6. EXCEPT WHERE NOTED, DRAFT ON OUTSIDE SURFACES IS PERMISSIBLE WITHIN TOLERANCE.
7. SYMBOL INDICATES DRAFT DIRECTION.
8. FOR TERMINAL MATERIAL, DIMENSIONAL AND COATING REQUIREMENTS, SEE EWCAP-001 TERMINAL 120-T001.
9. TO CLAIM USCAR COMPLIANCE, PARTS PRODUCED TO THIS FOOTPRINT DRAWING MUST BE TESTED TO AND MEET THE REQUIREMENTS OF SAE/USCAR 2.
10. DENOTES DIMENSION THAT MAY BE UTILIZED TO MONITOR PART QUALITY.

11. WHEN USING SILVER PLATED TERMINALS, THE SILVER PLATING MUST STOP A MINIMUM OF 1MM FROM HEADER PLASTIC
12. A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THE CONNECTOR-HEADER POLARIZATION FEATURES (OPTIONS A THRU C) WILL FUNCTION. THE FULL SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER PINS.
13. THIS PART HAS BEEN DESIGNED AND TOOLED WITH THE DATUM REFERENCES AS SHOWN, THE DATUM REFERENCES USED ON THIS DRAWING TAKES PRECEDENCE OVER THE EWCAP DRAWING GUIDELINE DATUM REFERENCE REQUIREMENT.

120-S-002-1-A03	A	BLACK
120-S-002-1-B03	B	LT. GRAY
120-S-002-1-C03	C	DK. GRAY
EWCAP PART NUMBER	POLARITY	MATING CONNECTOR COLOR

NOTICE
THIS DRAWING OR PORTIONS OF IT ARE CONTROLLED BY THE
ELECTRICAL WIRING COMPONENTS APPLICATION
PARTNERSHIP (EWCAP), A SUBGROUP OF THE UNITED STATES
COUNSEL FOR AUTOMOTIVE RESEARCH LLC (USCAR LLC).

USCAR IS AN LLC CONSISTING OF MEMBERS FROM FCA US LLC, FORD MOTOR COMPANY AND GM CORPORATION.

ANY CHANGE TO A EWCAP CONTROLLED PORTION OF THIS DRAWING, INCLUDING A REVISION RECORD CHANGE MUST BE APPROVED, IN WRITING, BY THE RESPONSIBLE EWCAP REPRESENTATIVE FROM EACH USCAR MEMBER COMPANY. EACH EWCAP REPRESENTATIVE AUTHORIZED TO SIGN FOR HIS OR HER MEMBER COMPANY IS RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS WITHIN THAT COMPANY PRIOR TO SIGNING FOR THE 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 APPROVAL,
SIGNED BY THE AUTHORIZED REPRESENTATIVES, OF THE
USCAR MEMBER COMPANIES.

REFERENCE TO THE SIGNED CHANGE NOTICE MUST BE
ENTERED IN THE DRAWING CONTROL COLUMN.

[illegible]

USCAR-EWCAP

SCALE 2:1		DRAWN BY TEJUS KIRAN S.		CHECKED BY DALE BROWN		DATE 21JUN16		
TITLE DIRECT CONNECT INTERFACE 2 WAY (1 X 2)1.2MM SEALED MALE (SIDE LATCH)								
SHEET 1 OF 3		DRAWING NUMBER 120-S-002-1-Z03			SIZE A2		DO NOT SCALE DRAWING COMPUTER AIDED DRAWING	
						REVISION LEVEL A		

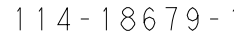


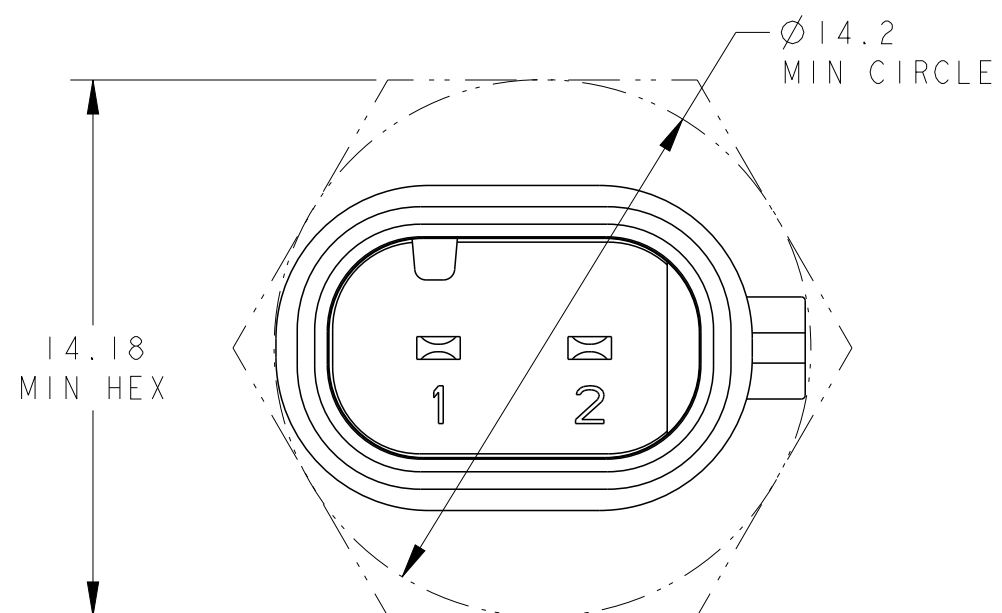


THIRD ANGLE PROJECTION

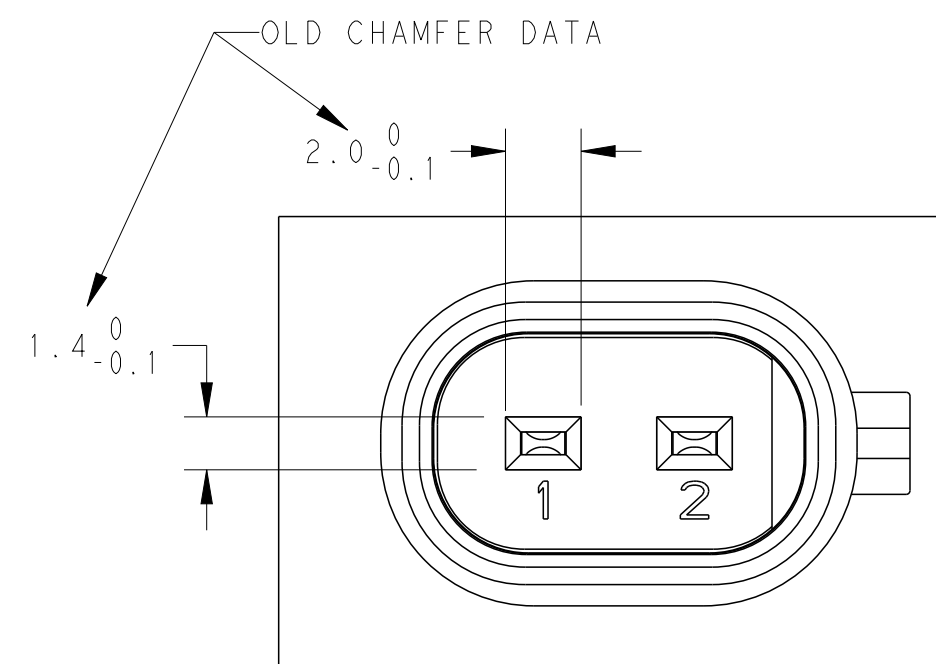
SCALE 2:1	DRAWN BY TEJUS KIRAN S.	CHECKED BY DALE BROWN	DATE 21JUN16
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SHEET 2 OF 3	DRAWING NUMBER 120-S-002-1-Z03	SIZE A2	DO NOT SCALE DRAWING COMPUTER AIDED DRAWING	REVISION LEVEL A
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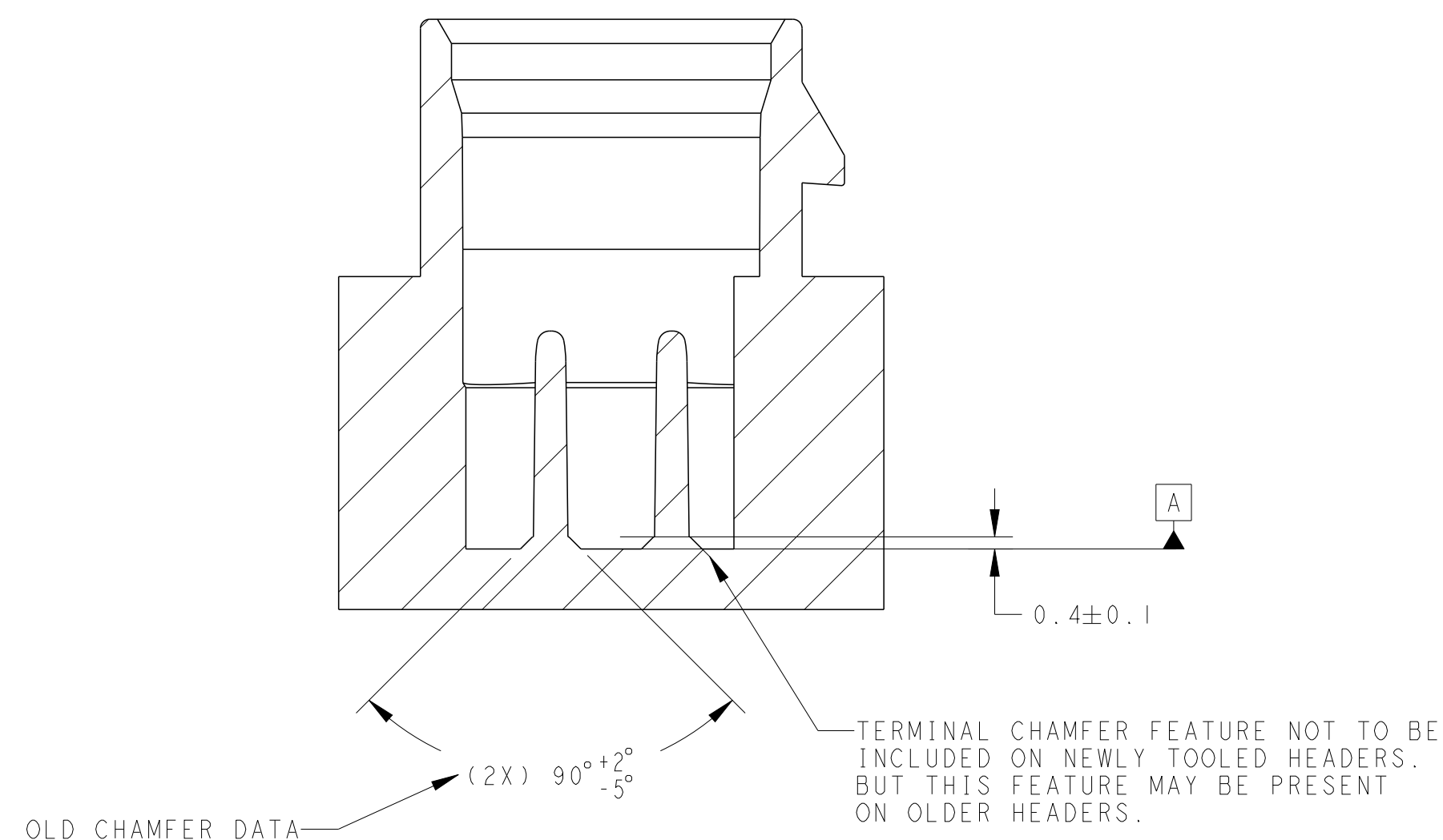


MINIMUM FIT SIZE-
PROVIDED FOR
INFORMATIONAL PURPOSES ONLY
(BASED ON MAXIMUM MATERIAL CONDITION)



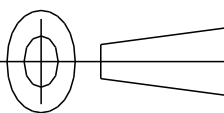
KEYING OPTION Z

THIS UNIVERSAL KEY OPTION IS NOT
APPROVED BY USCAR/EWCAP FOR USE
ON ORIGINAL EQUIPMENT DEVICES.
HOWEVER, THIS KEY OPTION COULD BE
ENCOUNTERED ON OLDER DEVICES



SECTION E-E

PROVIDED FOR INFORMATIONAL PURPOSES ONLY

TOLERANCES (UNLESS OTHERWISE SPECIFIED)				THIRD ANGLE PROJECTION 		
DIMENSIONS ARE IN MILLIMETERS						
ANGLES $\pm 2^{\circ}$						
USCAR-EWCAP						
SCALE 5:1		DRAWN BY TEJUS KIRAN S.		CHECKED BY DALE BROWN		
TITLE		DATE 21JUN16				
DIRECT CONNECT INTERFACE 2 WAY (1 X 2)1.2MM SEALED MALE (SIDE LATCH)						
SHEET 3 OF 3	DRAWING NUMBER 120-S-002-1-Z03			SIZE A2	DO NOT SCALE DRAWING COMPUTER AIDED DRAWING	REVISION LEVEL A



114-18679-1