



NOTES:

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- NOTES UNLESS OTHERWISE SPECIFIED:
1. ALL DIMENSIONS SHOWN IN MILLIMETERS.
 2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.
 3. RADIUS ON ALL CORNERS SHOWN SHARP OR ALL UNSPECIFIED RADIUS 0.25 EXCEPT AS NOTED.
 4. THIS BACK ANGLE IS REQUIRED TO MEET THE CONNECTOR RETENTION FORCE SPECIFICATION. FOR CARRYOVER APPLICATIONS FROM EXISTING CONNECTORS 10°±1° BACK ANGLE IS ACCEPTABLE.
 5. FOR PIN GEOMETRIC AND PLATING REQUIREMENTS REFER TO EWCAP DRAWING, NO. EWCAP-001, DETAIL 120-T.
 6. DRAFT ANGLE PERMISSIBLE ONLY WITHIN DRAWING TOLERANCE.
 7. SEALING SURFACE (ALL AROUND), MUST BE FREE OF DEFECTS, TOOL LINES, WELD LINES, OR OTHER IRREGULARITIES. POLISH TOOLING TO SURFACE FINISH $R_a \leq 0.4\mu\text{m}$.
 8. DIMENSION MUST BE MAINTAINED OVER 8.5 DIMENSION.
 9. CONSTRUCTION BELOW THIS SURFACE IS OPTIONAL TO SUPPLIER. NO PLASTIC FEATURES MAY EXTEND ABOVE THIS SURFACE.
 10. REFER TO "SAE/USCAR-12 CONNECTOR DESIGN GUIDELINES" FOR ADDITIONAL INFORMATION.
 11. A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THAT THE CONNECTOR - HEADER POLARIZATION FEATURES (OPTIONS A THROUGH D) WILL FUNCTION. THE FULL SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER PINS.
 12. REFER TO EWCAP 004 FOR DETAILS OF ANTI-TRACKING GEOMETRY.
 13. THE INTENT OF THIS VIEW IS TO CREATE AN INTERFERENCE FIT BETWEEN THIS SHROUD AND THE PAD FORMATIONS SHOWN IN VIEW D-D IN ORDER TO MEET HIGH VIBRATION REQUIREMENTS.

159	B	B1 - 1.0 WAS 0.5	09/04/19	JMS	SI
001	A	RELEASED	04/03/13	DD	HB
CHANGE SERIAL NUMBER	LET	REVISION RECORD	DATE	DWN	CHK
TOLERANCES (UNLESS OTHERWISE SPECIFIED):					
DIMENSIONS ARE IN MILLIMETERS					
ANGLES ± 1.0					
X ± 0.2 X X ± 0.1					
EWCAP					
SCALE	DRAWN BY	CHECKED BY	DATE		
5:1	D. DRUMMOND	H. BECK	11/14/12		
PART: DIRECT CONNECT INTERFACE					
6 WAY (1X6) 1.20mm SEALED MALE					
SHEET	DRAWING NUMBER	SIZE	DO NOT SCALE DRAWING	REVISION LEVEL	
1 of 1	120-S-006-1-Z03	E	COMPUTER AIDED DRAWING	B	



150-2-006-1-103