



SCALE 4:1

- NOTES:
1. KEYING OPTION AVAILABLE AS SHOWN.
 2. SEALING SURFACE, NO WITNESS LINES OR DAMAGE PERMITTED.
 3. DIMENSIONS SHOWN IN MILLIMETERS.
 4. ALL UNSPECIFIED RADII R0.25mm
 5. 0.25 MAX RADIUS PERMISSIBLE ON EDGES SHOWN SHARP.
- △ DENOTES MINIMUM CLEARANCE ENVELOPE
- △ TERMINAL BLADE DETAIL SEE USCAR DRAWING EWCAP-001, USCAR TEMPERATURE CLASS II
- △ CIRCUIT I.D. CHARACTERS 1.2mm HIGH, RAISED 0.20mm MAX ON RECESSED PADS 0.25mm DEEP.
- △ NO PARTING LINE PERMISSIBLE AT THIS LOCATION.
- △ GEOMETRY BELOW THIS SURFACE IS NOT CONTROLLED BY USCAR.
11. CONNECTOR MUST PASS MECHANICAL TEST SECTIONS OF SAE/USCAR-2.
 12. EXCEPT WHERE NOTED, DRAFT ON OUTSIDE SURFACES PERMISSIBLE WITHIN ALLOWABLE TOLERANCE.
 13. A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO ENSURE THAT THE CONNECTOR-HEADER POLARIZATION FEATURES WILL FUNCTION. THE FULL SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER PINS. REFER TO "SAE/USCAR-12 CONNECTOR DESIGN GUIDELINES" FOR ADDITIONAL INFORMATION.

CHANGE SERIAL NUMBER	A	PRODUCTION RELEASE	04/16/07	JD	JD
LET	REVISION RECORD	DATE	DWN	CHK	
TOLERANCES UNLESS OTHERWISE SPECIFIED:					
DIMENSIONS ARE IN MILLIMETERS					
ANGLES ± 1.0					
X ± 0.3					
Y ± 0.10					
Z ± 0.10					
SCALE	3:1	DRAWN BY	J DAWIDZIUK	CHECKED BY	J DAWIDZIUK
DATE	04/17/07				
7 CIRCUIT SMART MOTOR INTERFACE					
SHEET NUMBER	1 of 1	999-S-007-2-A01	SIZE	E	DO NOT SCALE DRAWING
REVISION LEVEL	A	COMPUTER AIDED DRAWING			



999-S-007-2-A01