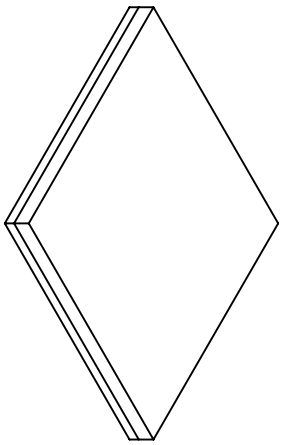


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REV.	DESCRIPTION	DATE	DESIGNED BY	DRAWN BY
00	INITIAL RELEASE PER DCM COS979	01/22/98	E.B.	HLR
01	CHANGED TO CURRENT FORMAT; DCM COS977	06/06/98	E.B.	HLR
02	UPDATED TOLERANCES PER DCM C04757	10/02/98	E.B.	HLR



7. REFERENCE SPECIFICATIONS:  
 A. AWW SPEC 4001-0831-8234: PACKING OPERATION PROCEDURE.  
 B. AWW SPEC 4001-0818-8082: MARKING.
6. PRIMARY DATUM Z AND SATING PLANE ARE DEFINED BY THE SPHERICAL CHOPIN OF THE SOLDER BALLS.  
 DIMENSION IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER.  
 PARALLEL TO PRIMARY DATUM Z.
5. THE MAXIMUM ALLOWABLE NUMBER OF SOLDER BALLS IS 06.
4. THE MAXIMUM SOLDER BALL MATRIX SIZE IS 10 X 10.
3. THE BASIC SOLDER BALL GRID PITCH IS 0.50.
2. THE BASIC SOLDER BALL GRID PITCH IS 0.50.
1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ASME Y14.5M-1994.
- NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE TO BE IN MILLIMETERS	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE TO BE IN INCHES	APPROVALS	DATE	DATE	SCALE	SHEET
XX ±0.10	XX ±0.005	DESIGNED BY D. BIGGS	01/19/98	01/22/98	8:1	1 OF 3
XXX ±0.05	XXX ±0.003	CHECKED BY D. GASTRICH	01/19/98			
MINIMUM	N/A	DRY BY T. PANZAK	01/19/98			
FINISH	N/A	RELEASED BY M. ANTONIO	01/22/98			
DO NOT SCALE DRAWING						



AMROS/AVAN  
 0.50mm X 6.00mm, 2 LAYER  
 LAMINATE SUBSTRATE, AAP



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE TO BE IN MILLIMETERS