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REVISIONS			
REV	DESCRIPTION	DATE	UPDATED BY
A	ECO 5604 - INITIAL RELEASE	01/12/05	DH
B	ECO 5748 - ITEM 8 P/N WAS T FLEX 4000; ADD NOTE 6	02/01/14	DH

NOTES: UNLESS OTHERWISE SPECIFIED:

1 INSTALL MOUNTING HARDWARE WITH THE FOLLOWING TORQUE SPECIFICATION:
 SCREW SIZE TORQUE
 M3 3.0±1.0 IN-LB (0.34±0.11 N-m)

2. VENDOR:
 THERMAGON INCORPORATED
 4707 DETROIT AVENUE
 CLEVELAND, OHIO 44102
 PHONE: 888-426-9050
 WEB: http://www.thermagon.com

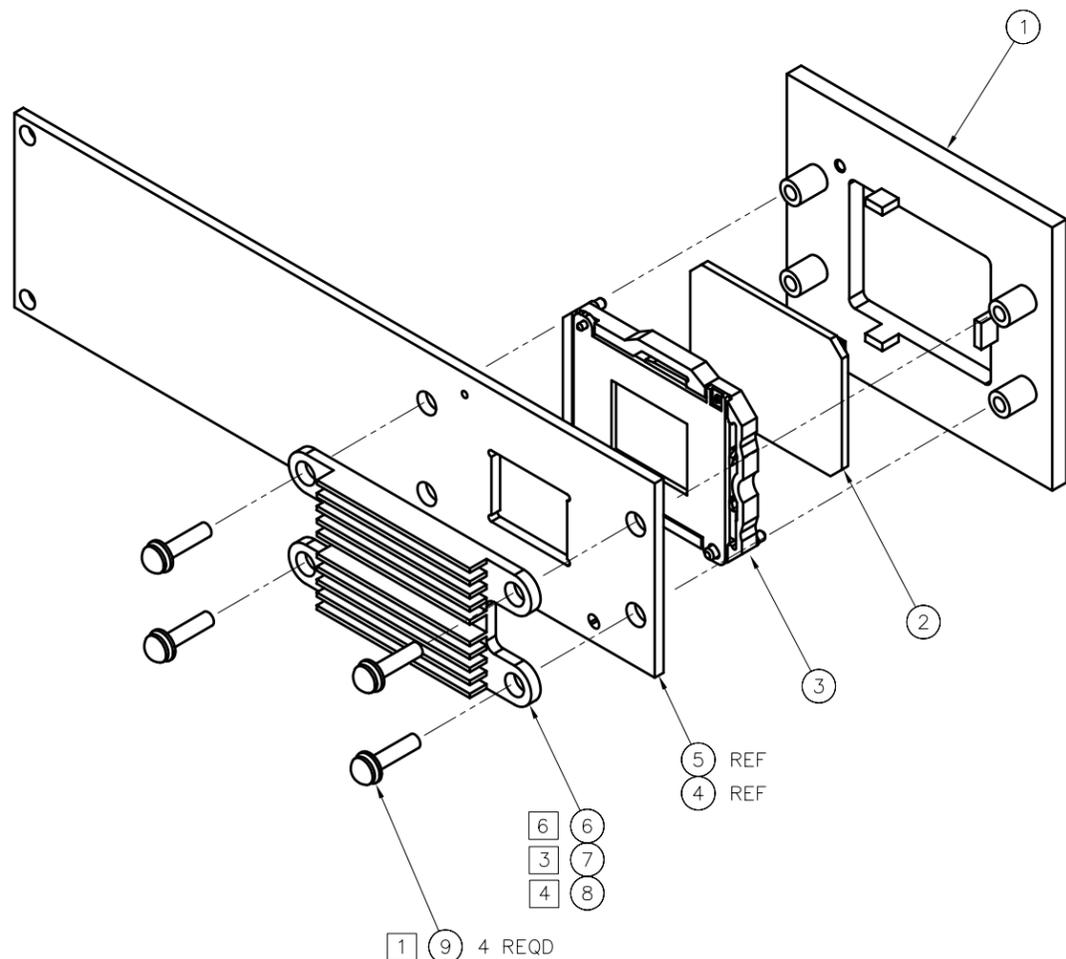
3 APPLY KAPTON INSULATOR TO SIDE OF HEATSINK\STIFFENER PLATE MATING TO THE BOARD

4 APPLY THERMAL PAD TO RAISED SURFACE PAD OF HEATSINK\STIFFENER PLATE MATING TO DMD

5 BENDING OF THE DMD SHOULD BE PREVENTED. TO PREVENT BENDING MOMENTS ON THE DMD THE GAP BETWEEN THE PWB AND MECHANICAL INTERFACE BOSSES (4X) SHOULD BE ZERO WHEN THE INTERPOSER ASSEMBLY IS IN ITS COMPRESSED STATE (CONTACTS COMPRESSED FLUSH WITH PLASTIC). A MINIMAL GAP IS ACHIEVED BY CONTROLLING THE NOMINAL DIMENSION AND TOLERANCES ON ALL PARTS THAT CONTRIBUTE TO THIS GAP. THE NOMINAL DIMENSIONS AND TOLERANCES OF THE PARTS IN THE REFERENCE DESIGN WILL ACHIEVE A NOMINAL GAP OF 0.13MM [.005 INCH]. TO AVOID OVER-STRESSING THE DMD IT IS RECOMMENDED THAT AN ASSEMBLY FIXTURE CLAMP THE PARTS TOGETHER WHILE THE MOUNTING SCREWS ARE TORQUED OR A TORQUE SEQUENCE AND PARTIAL TIGHTENING OF THE MOUNTING SCREWS BE DONE. EACH IMPLEMENTATION OF THIS REFERENCE DESIGN SHOULD BE VERIFIED TO ASSURE THE DMD LOAD REQUIREMENTS ARE MET.

6 SYSTEM HEATSINK DESIGN SHOULD BE DONE WITH ACTUAL SYSTEM REQUIREMENTS FOR AIRFLOW AND SURFACE AREA

CONFIGURATION TABLE				
DMD DESCRIPTION	DMD MECHANICAL ICD (ITEM 2)	INTERPOSER ASSEMBLY (ITEM 3)	DMD PWB INTERFACE (ITEM 4)	DMD DATA SHEET (ITEM 10)
0.7 XGA DDR	2503606	2503000-1 OR 2503000-3	2503869	2501953
0.6 SVGA DDR	2503607	2503000-2 OR 2503000-1 OR 2503000-3	2503869	2502278
0.7 XGA LDVS	2503741	2503000-3	2503870	2503444



REF 10	SEE CONFIGURATION TABLE	DMD DATA SHEET	
4 9		SCREW, M3 X 0.5, X 16mm, PAN HEAD	1
1 8	T-FLEX 6100	THERMAL PAD, 2.54mm [.10"] THK THERMAGON	2, 4
1 7	2503644-1	X 16mm X 18.2mm	
1 6	2503865-1	KAPTON INSULATOR, BACKER PLATE	3
REF 5	2503867-1	HEATSINK\STIFFENER PLATE	6
REF 4	SEE CONFIGURATION TABLE	MOCK PWB	
1 3	SEE CONFIGURATION TABLE	DMD PWB INTERFACE	
1 2	SEE CONFIGURATION TABLE	INTERPOSER ASSEMBLY	
1 1	2503321-1	DMD	
		DMD MECHANICAL INTERFACE	

ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES
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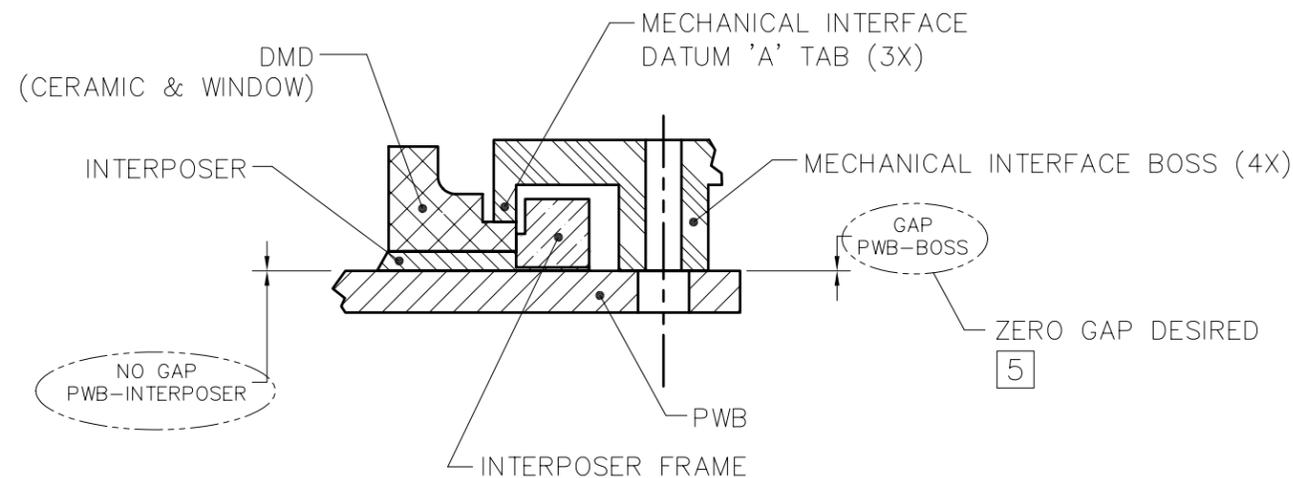
PARTS LIST		UNLESS OTHERWISE SPECIFIED		DMD	
DATE	01/12/05	DIMENSIONS ARE IN MILLIMETERS		HOLAMON	
ENGR	J. MCKINLEY 01/12/11	TOLERANCES: ANGLES ± 1°		DATE	
GA	J. KNOX 01/12/17	2 PLACE DECIMALS ±0.25		01/12/13	
APVD	J. ATCHISON 01/12/13	1 PLACE DECIMALS ±0.50		SCALE	
		DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		D	
		INTERPRET DIMENSIONS IN ACCORDANCE WITH		DRAWING NO	
		ASME Y14.5M-1994		2503866	
		REMOVE ALL BURRS AND SHARP EDGES		REV	
		PARENTHEetical INFO FOR REF ONLY		B	
				SHEET	
				1 OF 2	

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5 SECTION VIEW PWB-INTERFACE BOSS GAP