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REVISIONS			
REV	DESCRIPTION	DATE	UPDATED BY
A	ECO 5387 - INITIAL RELEASE	01/10/18	DH
B	ECO 5608 - ITEM 4 REF P/Ns IN CONFIG TABLE WERE 2503563 & 2503727; ITEM 5 P/N WAS 2503322; ITEM 6 P/N WAS 2503555	01/12/05	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)
#6-32	6.0±1.0 IN-LB (0.68±0.11 N-m)

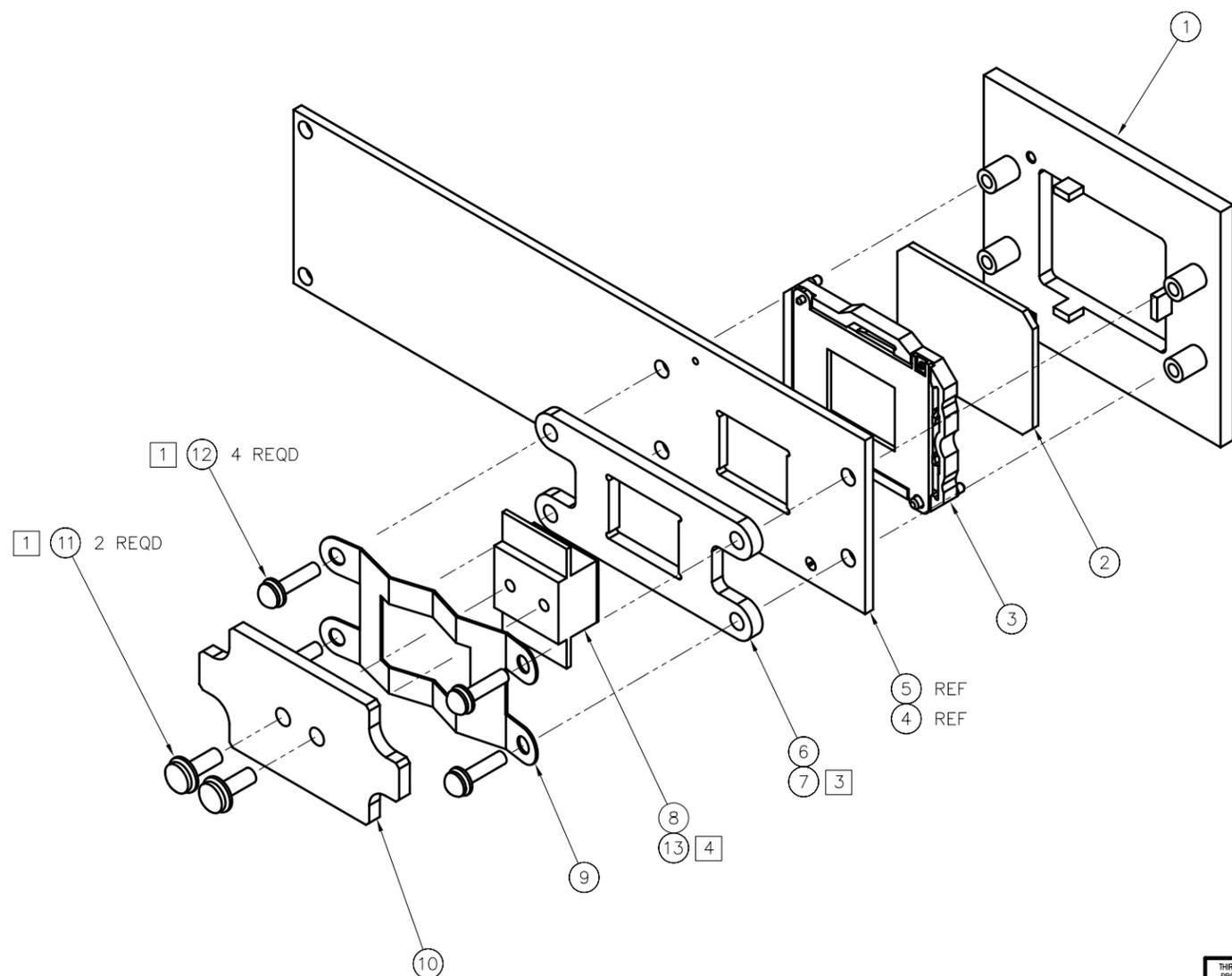
2. VENDOR:
 THERMAGON INCORPORATED
 4707 DETROIT AVENUE
 CLEVELAND, OHIO 44102
 PHONE: 888-426-9050
 WEB: <http://www.thermagon.com>

3 APPLY KAPTON INSULATOR TO SIDE OF BACKER PLATE MATING TO THE BOARD

4 APPLY THERMAL PAD TO SURFACE OF STUD 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 DIMENSIONS 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.

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



1	13	T-pli 220-A1-FG	THERMAL PAD, 16mm X 19.3mm	THERMAGON	2, 4
4	12		SCREW, M3 X 0.5, X 16mm, PAN HEAD		1
2	11		SCREW, #6-32 UNC X .38", PAN HEAD		1
1	10	2501930-1	HEAT SPREADER PLATE, MOCK		
1	9	2503731-1	SPRING, STUD RETAINER		
1	8	2503734-1	STUD, MECHANICAL ATTACH		
1	7	2503644-1	KAPTON INSULATOR, BACKER PLATE		3
1	6	2503868-1	BACKER PLATE		
REF	5	2503867-1	MOCK PWB		
REF	4	SEE CONFIGURATION TABLE	DMD PWB INTERFACE		
1	3	SEE CONFIGURATION TABLE	INTERPOSER ASSEMBLY		
1	2	SEE CONFIGURATION TABLE	DMD		
1	1	2503321-1	DMD MECHANICAL INTERFACE		

ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES
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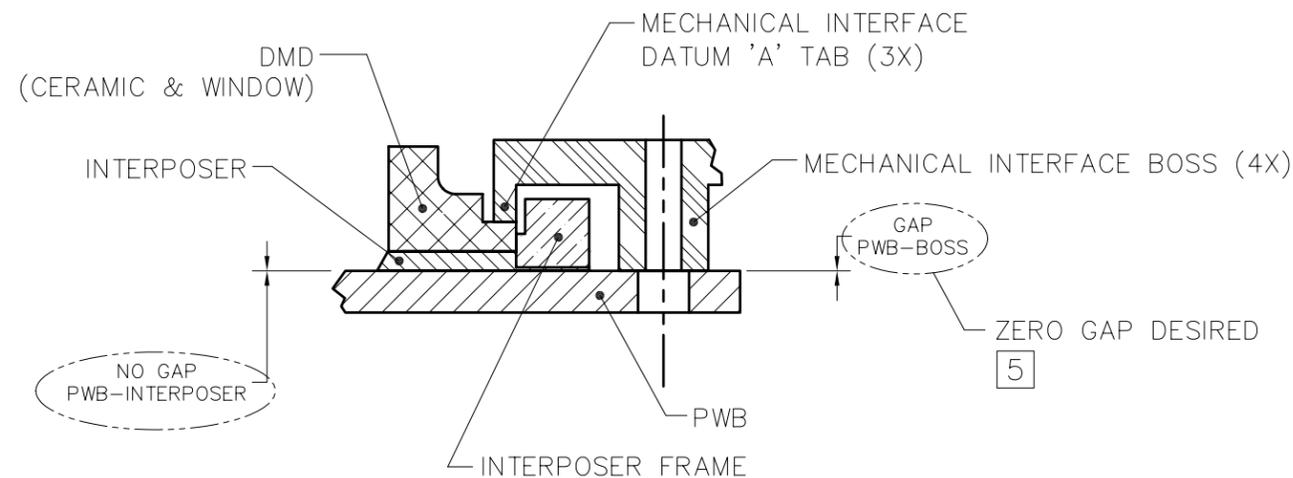
THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED		DWG DATE 00/10/18		 TEXAS INSTRUMENTS Dallas, Texas	
NONE		• DIMENSIONS ARE IN MILLIMETERS • TOLERANCES: ANGLES ± 1° 2 PLACE DECIMALS ± 0.25 1 PLACE DECIMALS ± 0.50		ENGR J. MCKINLEY 01/10/19 GA J. KNOX 01/10/24 T. DOTY 01/10/24 APVD J. ATCHISON 01/10/23			
NEXT ASSY USED ON APPLICATION		• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES • INTERPRET DIMENSIONS IN ACCORDANCE WITH ASME Y14.5M-1994 • REMOVE ALL BURRS AND SHARP EDGES • PARENTHEetical INFO FOR REF ONLY		SIZE D SCALE 1/1		MECHANICAL REFERENCE ASSY TYPE A DMD, TOLERANCE CONTROL MOUNT METHOD DRAWING NO 2503737 REV B	
				SHEET 1 OF 2			

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5 SECTION VIEW
PWB-INTERFACE BOSS GAP