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DWG NO

2503737

SH 1

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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 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.

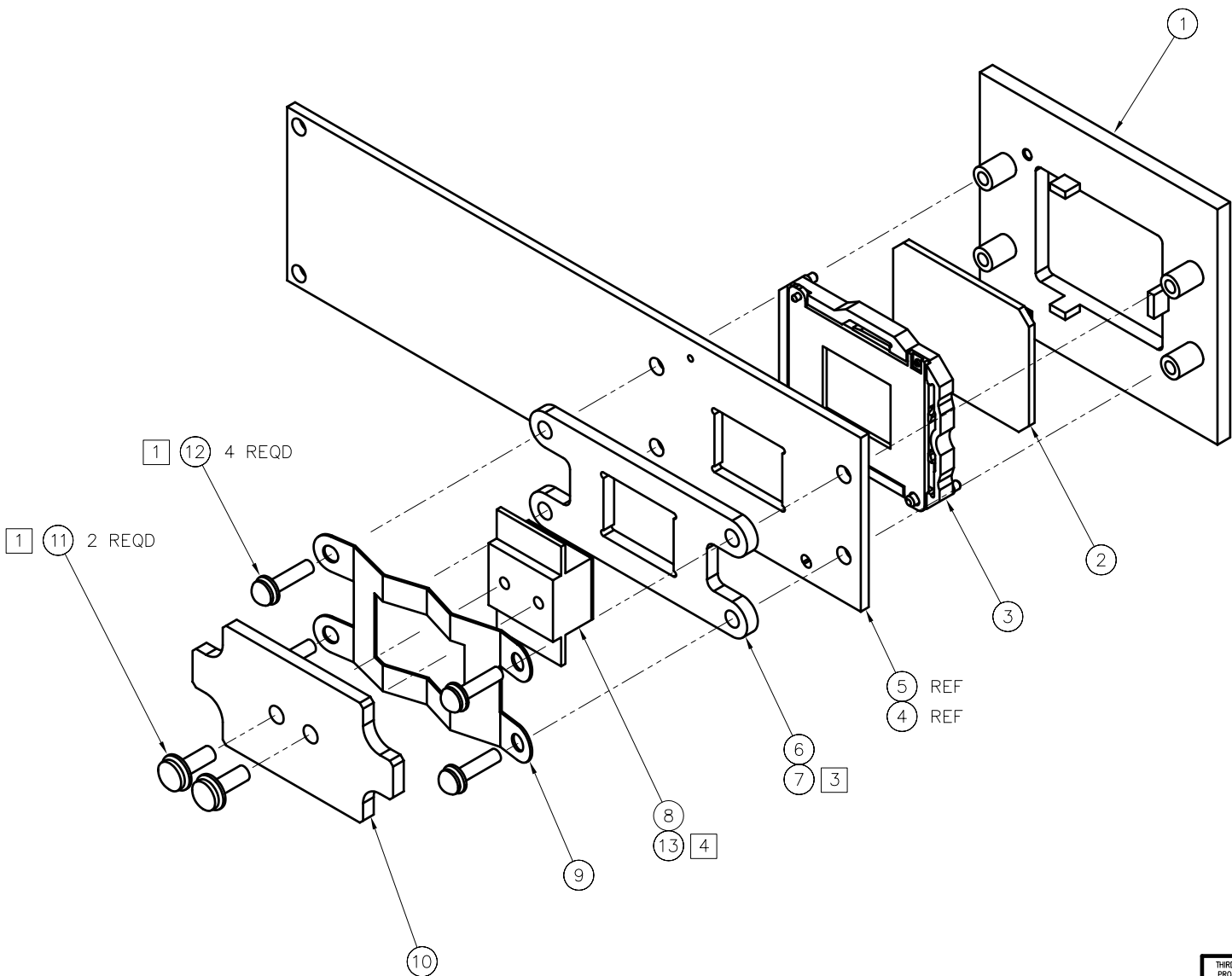
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REVISIONS

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

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



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

ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES
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PARTS LIST

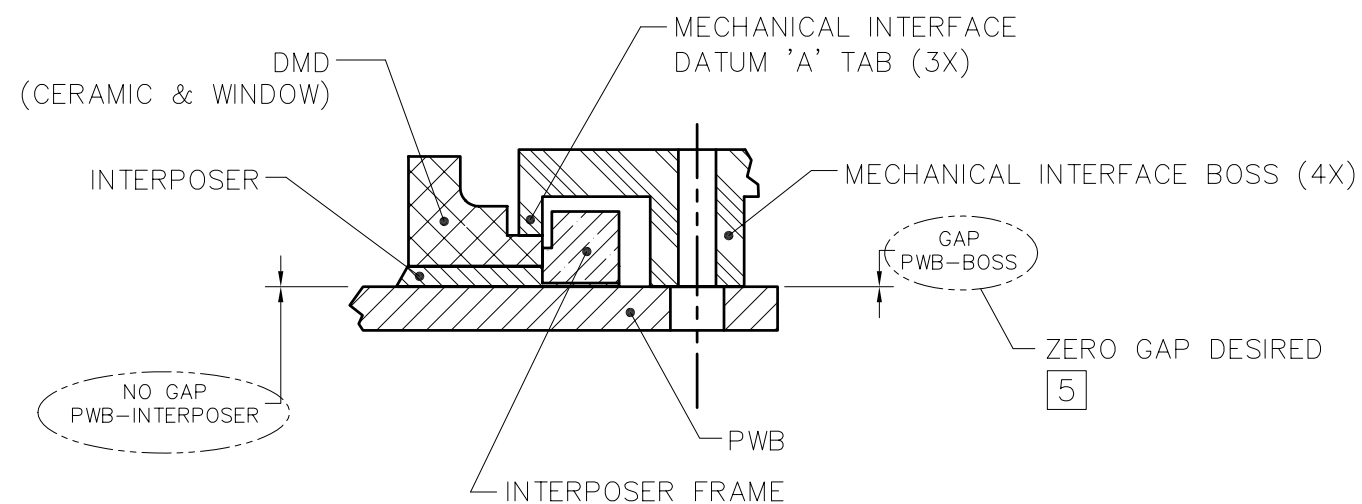
UNLESS OTHERWISE SPECIFIED	DWG HOLAMON	DATE 00/10/18	TEXAS INSTRUMENTS Dallas, Texas	
• DIMENSIONS ARE IN MILLIMETERS	ENGR J. MCKINLEY	01/10/19	MECHANICAL REFERENCE ASSY TYPE A DMD, TOLERANCE CONTROL MOUNT METHOD	
• TOLERANCES: ANGLES ± 1°	QA J. KNOX	01/10/24		
2 PLACE DECIMALS ±0.25	T. DOTY	01/10/24		
1 PLACE DECIMALS ±0.50	APVD J. ATCHISON	01/10/23		
• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	SIZE D	DRAWING NO 2503737	REV B	
• INTERPRET DIMENSIONS IN ACCORDANCE WITH ASME Y14.5M-1994	SCALE 1/1	SHEET 1 OF 2		
• REMOVE ALL BURRS AND SHARP EDGES				
• PARENTHETICAL INFO FOR REF ONLY				
THIRD ANGLE PROJECTION	NONE	0314GP		
NEXT ASSY	USED ON	APPLICATION		

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5 SECTION VIEW
PWB-INTERFACE BOSS GAP