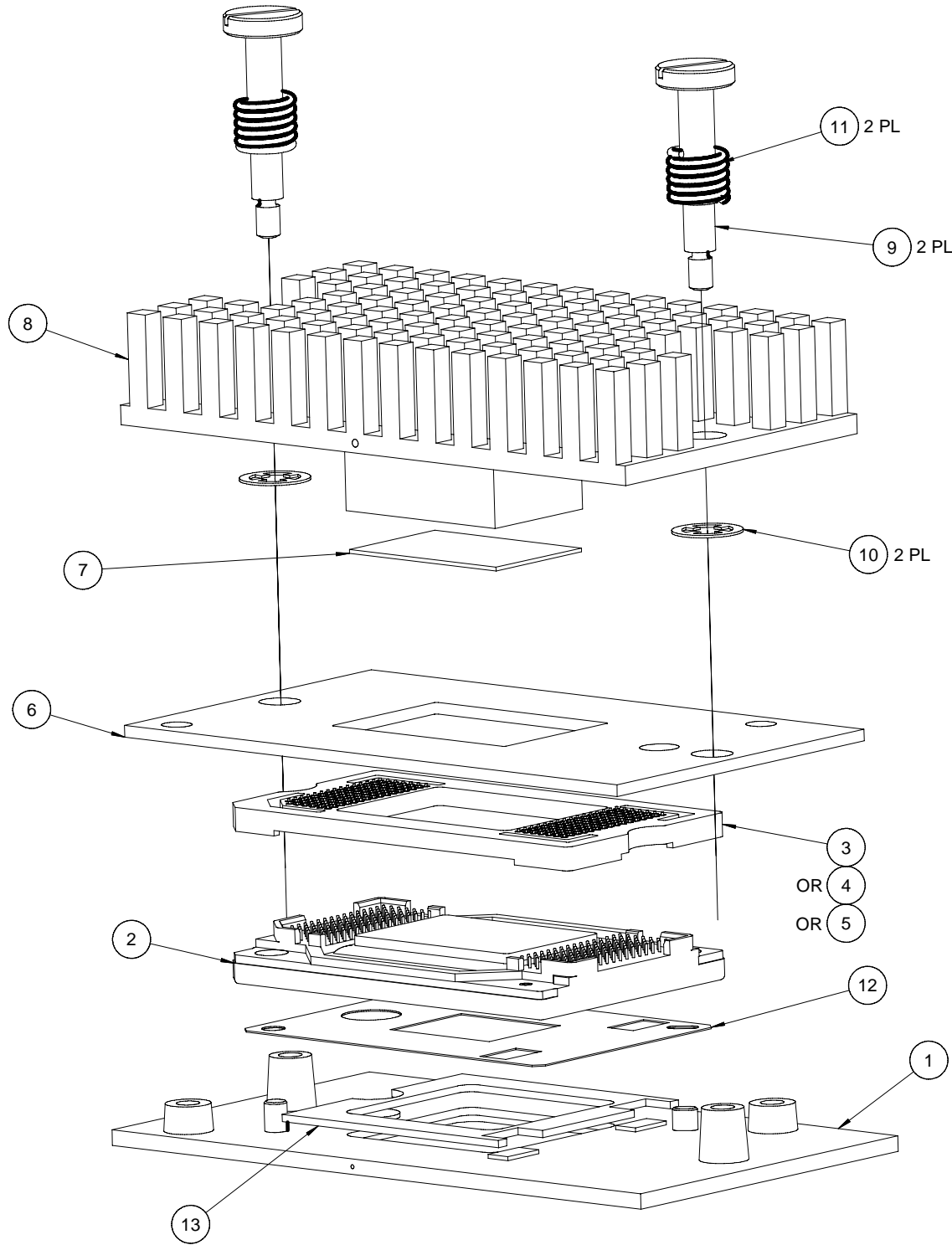


NOTES: UNLESS OTHERWISE SPECIFIED:

1. SOME TYPE OF SUPPORT FOR THE DMD PC BOARD IS DESIRED TO ASSURE THE PC BOARD IS SECURED IN POSITION TO MAINTAIN THE DMD ELECTRICAL CONNECTION AFTER MECHANICAL SHOCK AND VIBRATION
- 2 HEATSINK AND COIL SPRINGS OMMITTED IN VIEW FOR CLARITY
- 3 THE NUMBER REQUIRED IS DETERMINED BY LOCATION, SIZE OF DMD PC BOARD AND MECHANICAL / VIBRATION LEVELS
- 4 EASIER TO IMPLEMENT WITH LARGER DMD PC BOARDS TO AVOID EXCESSIVE LOADS ON THE DMD



BASIC COMPONENTS (DASH 1)
(WITHOUT DMD PC BOARD SUPPORT)

AR						20	2507516-1	SHOULDER SCREW, PC BOARD		
AR						19	2507515-1	WASHER, COMPLIANT #2 (EDGE)		
	2					18	2507514-1	WASHER, COMPLIANT #1 (MIDDLE)		
		AR				17	2507517-1	BRACKET, HEATSINK TO PC BOARD		
		AR	AR			16		SCREW, M1.6 X 0.35 3.0mm LONG		
			AR			15	2507518-1	BRACKET, INTERFACE TO PC BOARD		
				1		14	2507496-1	FLAT SPRING, 72mm SPACING		
					1	13	2507548-1	GASKET, DMD		
					1	12	2507512-1	APERTURE, SYSTEM		
					2	11	LC-040D-2-S (LEE SPRING)	COIL SPRING (STAINLESS SPRING)		
					2	10	5105-15 (TRUARC)	PUSH NUT RETAINER (STAINLESS STEEL)		
					2	9	2507467-1	SHOULDER SCREW, PUSH NUT		
					1	8	2507469-1	HEATSINK, 72mm SPACING		
					1	7	2507511-1	THERMAL INTERFACE PAD		
					1	6	2507476-1	PC BOARD, DMD SYSTEM OUTLINE		
					1	5	2507414-1 (SOCKET-500-2.700-Z-20.30-223-W)	SOCKET ASSEMBLY ICD		
					1	4	2507412-1 (SOCKET-500-2.700-L-20.30-223)	SOCKET ASSEMBLY ICD		
					1	3	2507413-1 (SOCKET-500-2.700-L-20.30-223-W)	SOCKET ASSEMBLY ICD		
					1	2		TYPE-X DMD		
					1	1	2507471-1	INTERFACE, SYSTEM, 72mm SPACING		
-6 QTY	-5 QTY	-4 QTY	-3 QTY	-2 QTY	-1 QTY	ITEM	PART NUMBER	DESCRIPTION	NOTES	

PARTS LIST

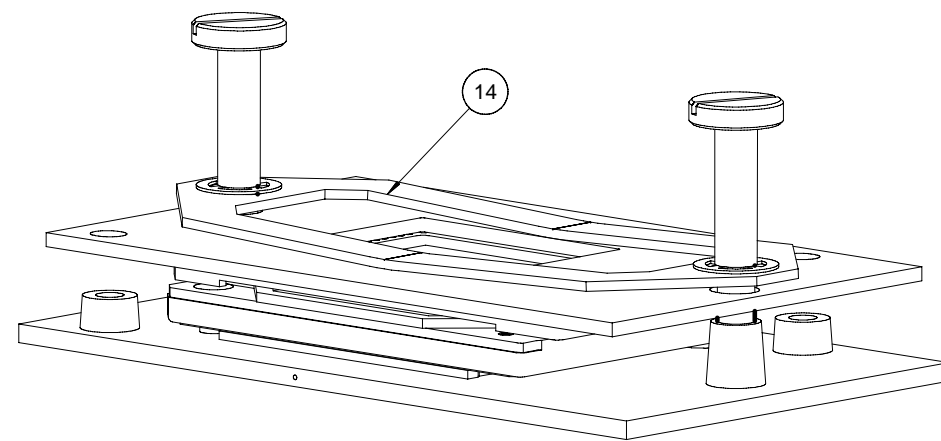
- UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
 - TOLERANCES:
 - ANGLES $\pm 1^\circ$
 - 2 PLACE DECIMALS ± 0.25
 - 1 PLACE DECIMALS ± 0.50
 - DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
 - INTERPRET DIMENSIONS IN ACCORDANCE WITH ASME Y14.5M-1994
 - REMOVE ALL BURRS AND SHARP EDGES
 - PARENTHETICAL INFORMATION FOR REFERENCE ONLY

DRAWN
McKINLEY
ENGINEER
J MCKINLEY
QA/CE
C. LOWELL
CM
D. HOLAMON
DATE
2/28/2006
3/13/2006
3/1/2006
3/14/2006
APPROVED
J MCKINLEY
3/13/2006

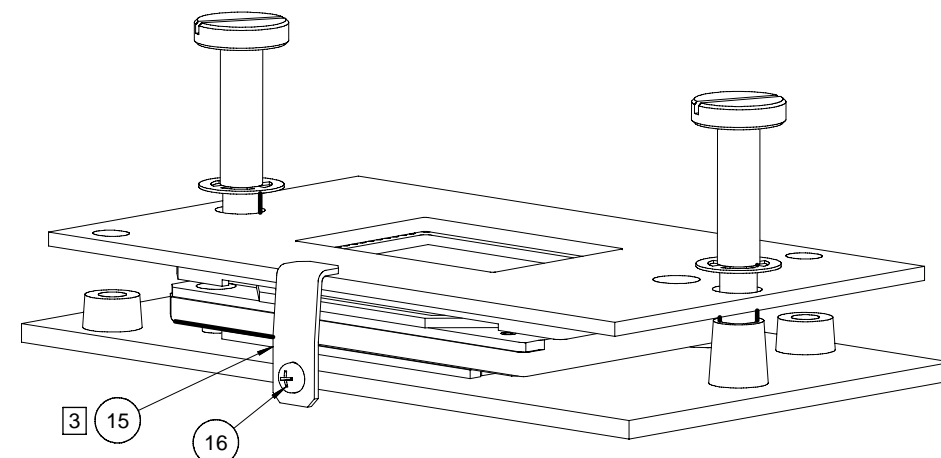
TEXAS
INSTRUMENTS
Dallas, Texas

DMD PC BOARD SUPPORT
CONCEPTS

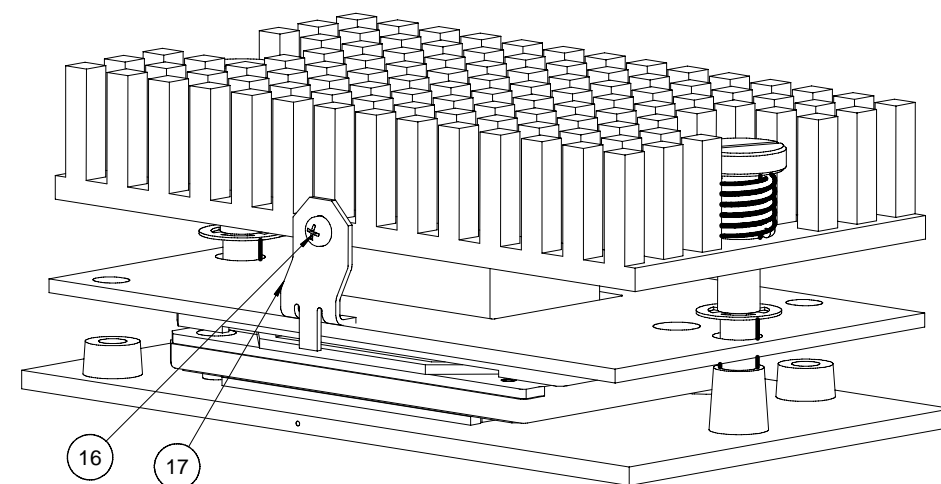
SIZE
D
SCALE
1:1
DWG NO
2507519
REV
A
SHEET
1 OF 3



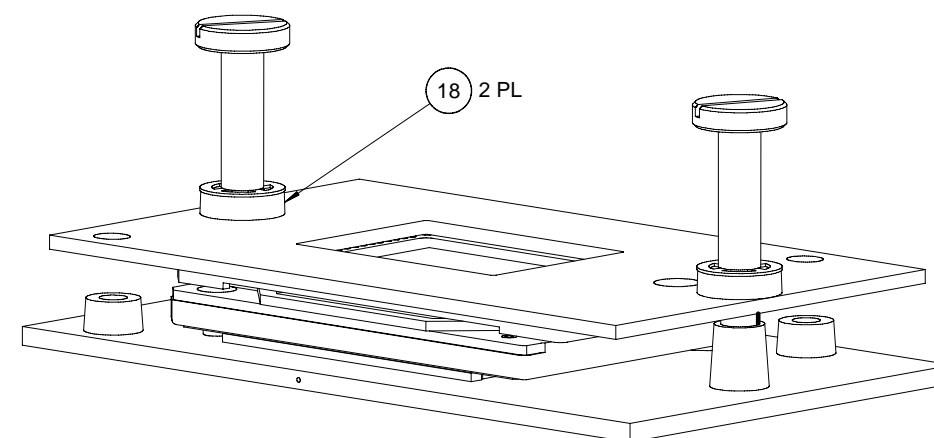
FLAT SPRING CONCEPT (DASH 2) [2]



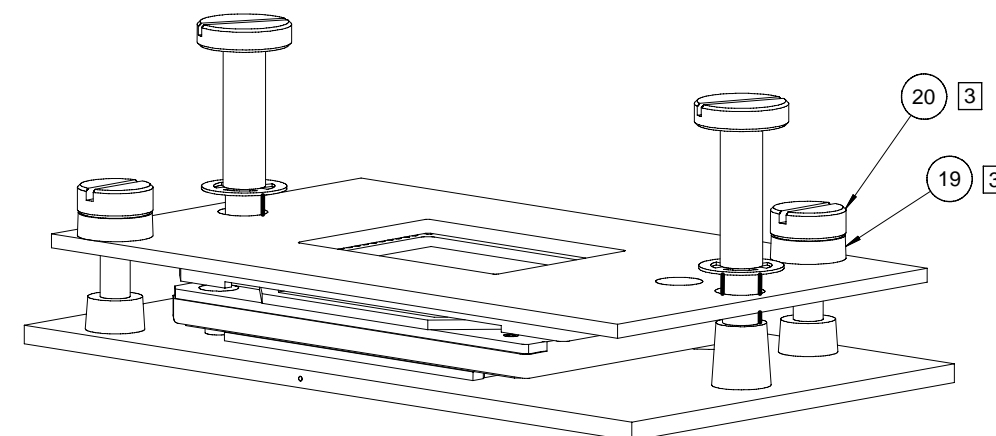
BRACKET BETWEEN OPTICAL CHASSIS & PC BOARD CONCEPT (DASH 3) [2]



BRACKET BETWEEN HEATSINK AND PC BOARD CONCEPT (DASH 4)



COMPLIANT WASHER (MIDDLE SHOULDER SCREW) CONCEPT (DASH 5) [2]



COMPLIANT WASHER (EDGE SHOULDER SCREWS) CONCEPT (DASH 6) [2] [4]

	8	7	6	5	4	3	DWG NO. 2507519	SH 3	1
D									D
C									C
B									B
A									A
	8	7	6	5	4	3	2	1	

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