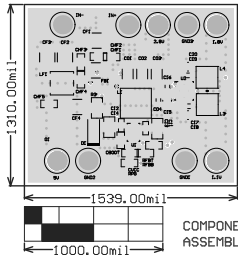


Layer	Name	Material	Thickness	Constant	Board Layer	Stack
1	Top Overlay					
2	Top Solder	Solder Resist	0.40mil	3.5		
3	Top Layer	Copper	1.40mil			
4	Dielectric 1	FR-4	8.00mil	4.2		
5	Signal Layer 1	Copper	1.40mil			
6	Dielectric 2	FR-4	40.00mil	4.2		
7	Signal Layer 2	Copper	1.40mil			
8	Dielectric 3	FR-4	8.00mil	4.2		
9	Bottom Layer	Copper	1.40mil			
10	Bottom Solder	Solder Resist	0.40mil	3.5		
11	Bottom Overlay					


DESIGN INFORMATION	
MIN. TRACK WIDTH:	8 MIL
MIN. CLEARANCE:	0.2 mm
MIN. VIA PAD SIZE:	24 MIL
MINIMUM ANNUAL RING 0.05mm (2MIL) EXTERNAL	
PER IPC-D-275 CLASS 2 LEVEL C	
REGISTRATION TOLERANCE: METAL +/- 5 MIL, HOLES +/- 3 MIL	
HOLE SIZE TOLERANCE (UNLESS OTHERWISE SPECIFIED): +/- 3 MIL	
MATERIAL:	
<input type="checkbox"/> FR-408	<input checked="" type="checkbox"/> FR-4 High Tg <input type="checkbox"/> OTHER
THICKNESS: <input checked="" type="checkbox"/> 62 MIL (1.6mm)	<input type="checkbox"/> +/-10% <input type="checkbox"/> OTHER
TOLERANCE:	<input checked="" type="checkbox"/> ANSI IPC-6012 TYPE 3 CLASS 2
	<input type="checkbox"/> OTHER +/-
BOW & TWIST:	<input checked="" type="checkbox"/> ANSI IPC-6012 TYPE 3 CLASS 2
	<input type="checkbox"/> OTHER +/-
DRILLING:	
REFERENCE: <input checked="" type="checkbox"/> AS SHOWN	<input checked="" type="checkbox"/> NC DRILL FILES
PTH COPPER THICKNESS: <input checked="" type="checkbox"/> 20-30 um	<input type="checkbox"/> OTHER
BOARD FINISH:	
SILKSCREEN:	<input checked="" type="checkbox"/> TOP <input checked="" type="checkbox"/> BOTTOM
SILKSCREEN COLOR:	<input checked="" type="checkbox"/> WHITE <input type="checkbox"/> OTHER
SOLDER RESIST COLOR:	<input checked="" type="checkbox"/> GREEN <input type="checkbox"/> OTHER
	<input checked="" type="checkbox"/> MATTE <input type="checkbox"/> SEMI-GLOSS
SURFACE FINISH: <input checked="" type="checkbox"/> IMMERSION GOLD (ENIG) <input type="checkbox"/> ENEPIG	
<input type="checkbox"/> IMM. TIN/SILVER OR EQUIV	<input type="checkbox"/> OTHER
ARRAY/PANEL:	
<input type="checkbox"/> CUT AND TRIM PER M1 BOARD OUTLINE	
<input type="checkbox"/> N.C. ROUTE	<input type="checkbox"/> V. SCORE
CERTIFICATION: MATERIALS AND WORKMANSHIP FOR ALL PCBs TO MEET OR EXCEED THE REQUIREMENTS OF:	
<input checked="" type="checkbox"/> ANSI IPC-A-600F CLASS ->	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3
<input checked="" type="checkbox"/> RoHS	<input type="checkbox"/> OTHER PER ORDER
ALL BOARDS MUST MEET OR EXCEED UL94-V0 REQUIREMENTS.	
PCB MUST BEAR THE UL94V-0 UL REGISTERED MATERIAL D NUMBER	
ADDITIONAL REQUIREMENTS:	
MICROSECTIONS:	<input type="checkbox"/> YES
BARE BOARD ELEC. TEST:	<input type="checkbox"/> NONE <input checked="" type="checkbox"/> REQUIRED <input type="checkbox"/> PER ORDER



COMPONENTS MARKED 'DNP' SHOULD NOT BE OBTAINED FROM THE SUPPLIER. DNP COMPONENTS ARE NOT AVAILABLE FOR THE CURRENT ORDER.
ASSEMBLY VARIANT: [No Variations]

[illegible]

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 TEXAS INSTRUMENTS	
PROJECT TITLE: Change in menu Project\Project Options\Par	
DESIGNED FOR: Public Release	
FILE NAME: Powerrear camera_PcbDoc	
ENGINEER: Enter name of project	LAYOUT BY: Who added the Layout?
SCALE: 1.00	ALTUM DESIGNER VERSION: 16.1.9.221

Comment	Description	Designator	Footprint	LibRef	Quantity
Suggest using a ref name here	Terminal, Turnst, TH, Double	1 W, 1.5V, 2.8V, 5V, GND1, GND2, GND3, IN+, IN-	Keystone1502		9
C2012XSR1A1 96M125AB	CAP, CERAM, 10 µF, 10 V +/- 20%, XSR, 0805	C15, C18, C20, C26	0805_150	C2012XSR1A1 96M125AB	4
GCM188R71C 10KKA37J	CAP, CERAM, 0.1 µF, 16 V, +/- 10%, XSR, AEC-Q200	C16, C17, C19, C24	06035	GCM188R71C 10KKA37J	4
C3603C105K8 PACTU	CAP, CERAM, 1 µF, 10 V +/- 10%, XSR, 0603	C22	0603	C3603C105K8 PACTU	1
GRM188R60J 105KA01D	CAP, CERAM, 1 µF, 6.3 V +/- 10%, XSR, 0603	C23	0603	GRM188R60J 105KA01D	1
C1608XSR1A1 96M080AC	CAP, CERAM, 10 µF, 10 V +/- 20%, XSR, 0603		0603	C1608XSR1A1 96M080AC	1
CL05A106AMP 3NUNC	CAP, CERAM, 10 µF, 10 V +/- 20%, XSR, 0402	C25	0402	CL05A106AMP 3NUNC	1
C1005JBTV10 3K05B8C	CAP, CERAM, 1 µF, 35 V +/- 10%, JB, 0402	C27	0402	C1005JBTV10 3K05B8C	1
9603YC104JA TZA	CAP, CERAM, 0.1 µF, 16 V +/- 5%, XSR, 0603	CR00T	0603	9603YC104JA TZA	1
CGAMP3X7R1 H473M250AB	CAP, CERAM, 4.7 µF, 50 V, +/- 20%, XSR, AEC-Q200	CF1, CF2, CF3, CF4	1210_280	CGAMP3X7R1 H473M250AB	4
CL03E2X7R1C 104K080AA	CAP, CERAM, 0.1 µF, 16 V, +/- 10%, XSR, AEC-Q200	CH1, CH2, CH3, CH4, Grade 1, 0603	0603	CL03E2X7R1C 104K080AA	1
9805YD225KA TZA	CAP, CERAM, 2.2 µF, 16 V +/- 10%, XSR, 0805	CT1, C2	0805_HV	9805YD225KA TZA	2
0402C103KA TZA	CAP, CERAM, 0.01 µF, 10 V +/- 10%, XSR, 0402	C13, C14	0402	0402C103KA TZA	2
GRM31CR71A 22MKE15L	CAP, CERAM, 22 µF, 10 V, +/- 10%, XSR, 1206	CO1, CO2, CO3	1206_180	GRM31CR71A 22MKE15L	3
96033C105KA TZA	CAP, CERAM, 1 µF, 25 V +/- 10%, XSR, 0603	CVCC	0603	96033C105KA TZA	1
MM5Z4705T1 G	Diode, Zener, 18 V, 500 mW, SOD-123	D1	SOD-123	MM5Z4705T1 G	1
15MB30CAT3 G	Diode, TVS, 30 V, 48.4 Vc, SMB	D2	SMB-B	15MB30CAT3 G	1
FBMH43225H M601NT	Ferrite Bead, 600 ohm 07 100 MHz, 1.4, 1210	FB1	1210_280	FBMH43225H M601NT	1
XAL5030- 222ME8	Inductor, Shielded, Composite, 2.2µH, 9.2A, 0.01 ohm, SMD	L1	XAL5030	XAL5030- 222ME8	1
LPS3015- 222ME8	Inductor, Shielded Drum Core, Ferrite, 2.2µH 1.4A, 0.11 ohm, SMD	L3, L4	LPS3015	LPS3015- 222ME8	2
XAL4020- 102ME8	Inductor, Shielded, Composite, 1µH, 8.75A, 0.01 ohm, SMD	LF1	XAL4020	XAL4020- 102ME8	1
SQJ463EP-T1 GE3	MOSFET, P, CH, 40 V, -30 A	PowerPAK_5 O-BL	Q1	SQJ463EP-T1, GE3	1
CRCW060300 902KEA	RES, 0.5%, 0.1 W, 0603	R1, R2, R9	0603	CRCW060300 902KEA	3
CRCW080510 9K7KEA	RES, 100 k, 1%, 0.125 W, 0805	R3	0805_HV	CRCW080510 9K7KEA	1
CRCW06031 M05PKEA	RES, 1.00 M, 1%, 0.1 W, 0603	R4, RFBT	0603	CRCW06031 M05PKEA	2
RC0402JRP 070RL	RES, 0.5%, 0.063 W, 0402	R5, R6, R7	0402	RC0402JRP 070RL	3
CRCW060334 K87KEA	RES, 34.8 k, 1%, 0.1 W, 0603	RFBB	0603	CRCW060334 K87KEA	1
CRCW060310 9K7KEA	RES, 100 k, 1%, 0.1 W, 0603	RPG	0603	CRCW060310 9K7KEA	1
LMR33630CR NKR	SWITCHER, 1.8V to 36V 3A/2A Synchronous Step-Down Voltage Regulator, 8000012A	U1	8000012A	LMR33630CR NKR	1
TPS62420DR R	Back Adjustable Regulator with 2.5 to 6 V Input and 0.6 to 4 V Output, -40 to 85 degC, 16 Pin SON (DW), Green RoHS & no 90-10	U2	DR00101	TPS62420DR R	1
JP5907MFX- 1-BN09	250-mA Ultra- Low-Noise Low-IQ LDO, 0800005A	U3	0800005A_N	JP5907MFX- 1-BN09	1
LM2779DSGB	Switched Capa	U4	DSG0008A	LM2779DSGB	1