







Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	O.40mil	3.5	
1	TOP		1.40mil		
	Dielectric 2	PP-006	8.00mil	4.1	
2	GND1	CF-004	1.40mil		
	Dielectric 1	FR-4	8.00mil	4.8	
3	GND2	CF-004	1.40mil		
	Dielectric 3	PP-006	8.00mil	4.1	
4	BOTTOM		1.40mil		
	Bottom Solder	Solder Resist	O.40mil	3.5	
	Bottom Overlay				



Line#	Name	Description	Designator	Revision State	Quantity	Manufacturer 1	Manufacturer Part Number 1
	475CKE100M	CAP ALUM 4.7UF 20% 100V RADIAL	C24	Unknown server	1	Cornell Dubilier	475CKE100M
	CGA3E2X7R1H104K080AA	CAP CER 0.1UF 50V X7R 0603	C1, C4, C5, C6, C7, C9, C10, C11, C12, C15, C18, C20, C23, C26, C27, C32, C33	Unknown server	17	ТОК	CGA3E2X7R1H104K080AA
	GRT188R61H105KE13D	CAP CER 1UF 50V X5R 0603	C30	Unknown server	1	Murata	GRT188R61H105KE13D
	GRM21BC72A105KE01L	CAP CER 1UF 100V X7S 0805	C25	Unknown server	1	Murata	GRM21BC72A105KE01L
	GRM21BR61H106KE43L	CAP CER 10uF 50V X5R 0805	C28, C29	Unknown server	2	Murata	GRM21BR61H106KE43L
	GRW21BR61H106KE43L	CAP CER 10UF 50V X5R 0805	C2, C3, C8, C19, C21, C22, C31, C34	Unknown server	8		
	CC0603JRNPO9BN220	CAP CER 22PF 50V COG/NPO 0603	C16, C17	Unknown server	2		
	TMK325ABJ476MM-P	CAP CER 47UF 25V X5R 1210	C13, C14	Unknown server	2	Taiyo Yuden	TMK325ABJ476MM-P
	SM03B-GHS-TB	CONN HEADER SMD R/A 3POS 1.25MM	J1, J4, J6	Unknown server	3	JST	SM03B-GHS-TB(LF)(SN)
	SM06B-NSHSS-TB	CONN HEADER SMD R/A 6POS 1MM	ß	Unknown server	1	JST	SM06B-NSHSS-TB(LF)(SN)
	SM06B-GHS-TB	CONN HEADER SMD R/A 6POS 1.25MM	JE	Unknown server	1	JST	SM06B-GHS-TB(LF)(SN)
	SM07B-SRSS-TB	CONN HEADER SMD R/A 7POS 1MM	J5	Unknown server	1	JST	SM07B-SRSS-TB
	ECS-160-16-33B-CKM-TR	CRYSTAL 16.0000MHZ 16PF SMD	Y2	Unknown server	1		
	ECS-270-12-33Q-JES-TR	ORYSTAL 27.0000MHZ 12PF SMD	Y1	Unknown server	1	ECSInternational	ECS-270-12-33Q-JES-TR
	BLM18SG121TZ1D	FERRITE BEAD 120 OHM 0603 1LN	L1	Unknown server	1	Murata	BLM18SG121TZ1D
	TYS5040220M-10	FIXED IND 22UH 1.5A 129 MOHM SMD	L2	Unknown server	1	Laird Steward	TYS5040220M-10
	ATTINY85-20SUR	ICMOU 8BIT 8KB FLASH 8SOIC	U4	Unknown server	1	Microchip	ATTINY85-20SUR
	ATMEGA328P-AN	ICMOU 8BIT 32KB FLASH 32TQFP	И	Unknown server	1	Microchip	ATMEGA328P-AN
	MAX7456EUI	ICOSD VIDEO GEN 28TSSOP	U2	Unknown server	1	Maxim	MAX7456EUI+T
	LMR36510ADDAR	ICREGBUCKADJ1A8SOPWR	U5	Unknown server	1	Texas Instruments	LMR36510ADDAR
	NCP718ASN500T1G	ICREGLINEAR 5V 300MA T9OT23-5	U6	Unknown server	1		
	74LVC4066D118	ICSMT0HSPST-NOX4 100HM14S0	U3	Unknown server	1	Nexperia	74LVC4066D,118
	RC0603FR-070RL	RESO OHM JUMPER 1/10W 0603	R6	Unknown server	1		
	RL1220S-R22-F	RES 0.22 OHM 1% 1/3W 0805	R11	Unknown server	1	Susumu	RL1220SR22-F
	R00603FR-071KL	RES1k OHM 1%1/10W 0603	R2, R3, R4	Unknown server	3	Yageo	RC0603FR-071KL
	AC0603FR-1310KL	RES10KOHM1%1/10W0603		Unknown server	1	Yageo	AC0603FR-1310KL
	RC0603FR-0710KL	RES10KOHM1%1/10W0603		Unknown server	1	Yageo	RC0603FR-0710KL
	RC0603JR-1010KL		R1, R8	Unknown server	2		
	RC0603FR-0775RL	RES75 OHM 1%1/10W 0603	R5, R7	Unknown server	2		
	RC0603FR-07110KL	RES110KOHM1%1/10W0603	R10	Unknown server	1	Yageo	RC0603FR-07110KL
	SOLDERPAD_2PIN_WIDER	Solder Pad 2 Pins, 3mm pitch, 1.5mm pad size	J7	Unknown server	1		
	M3HOLE-STANDARD	Sandard M3 Mounting hole as defined by mech team, see confluence for reasonning	MH1, MH2, MH3, MH4	Unknown server	4		