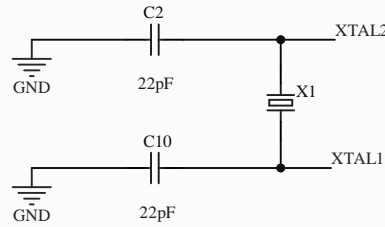
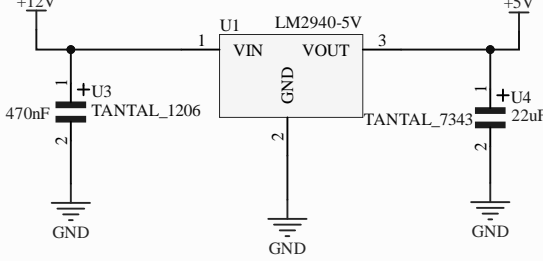


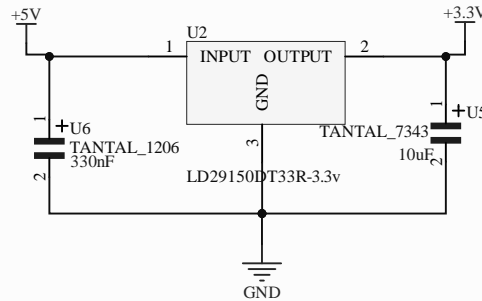
CRYSTAL



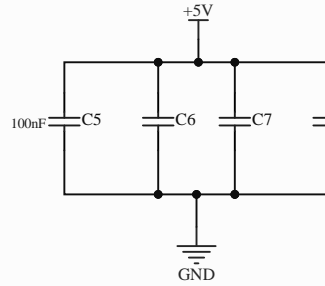
5V REGULATOR



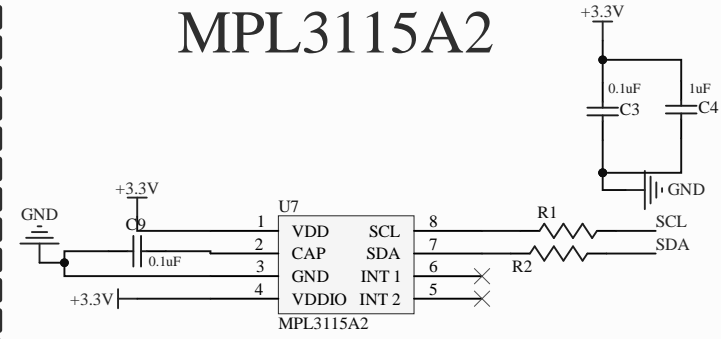
3.3V REGULATOR



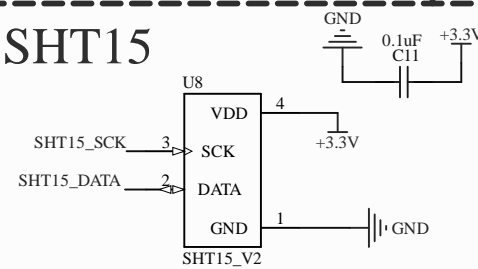
BYPASS CAPACITOR



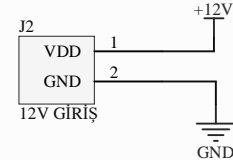
MPL3115A2



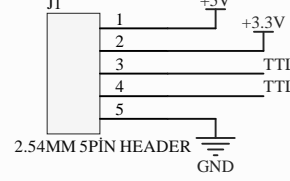
SHT15



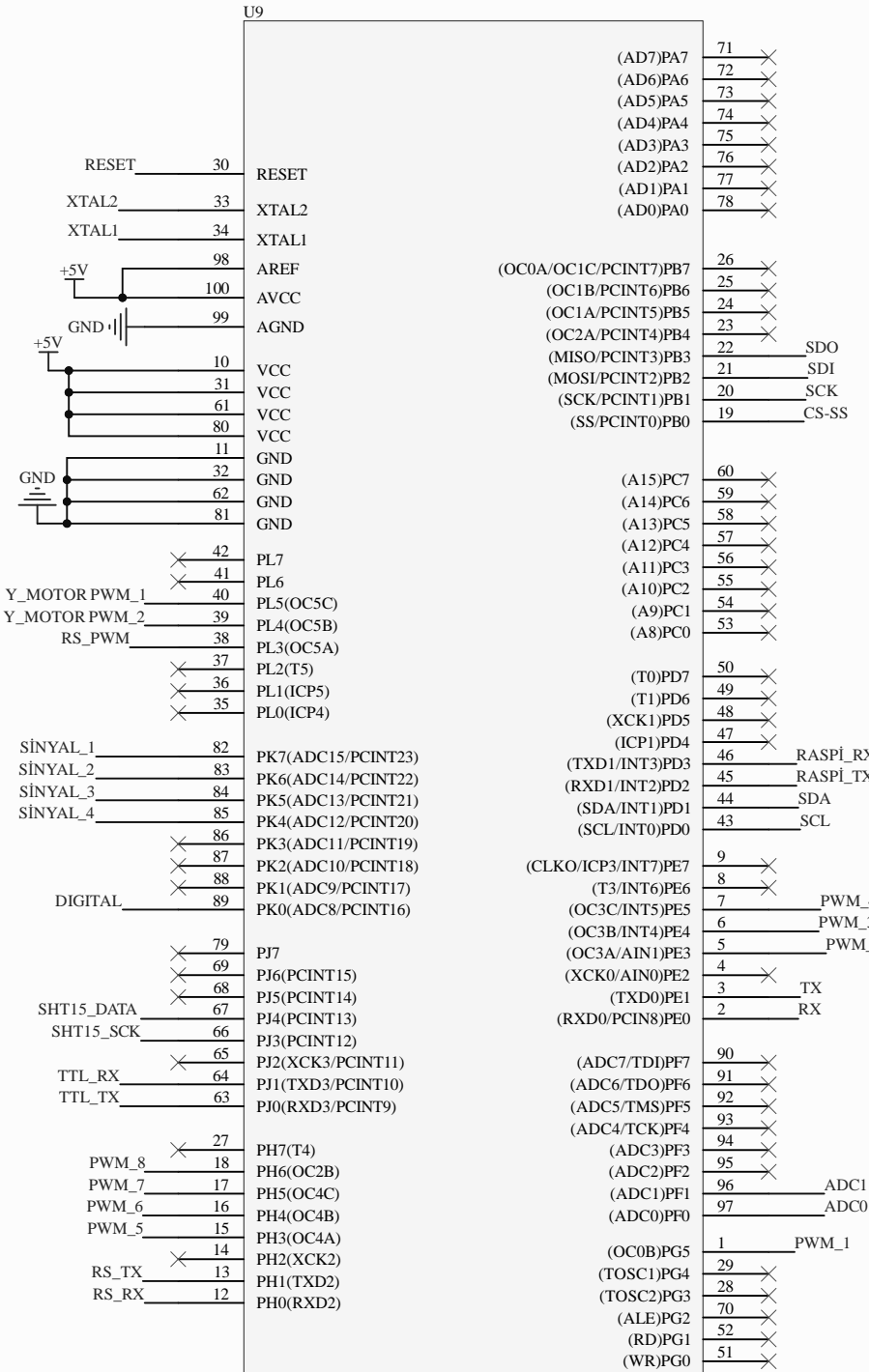
12V INPUT



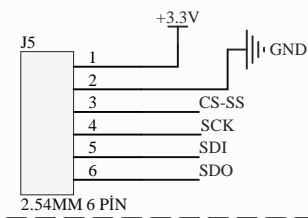
USB-TTL



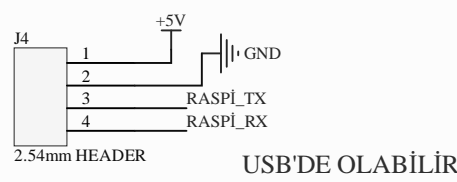
MICROPROCESSOR



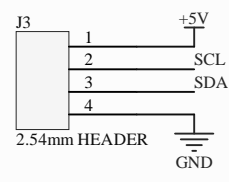
L3GD20H



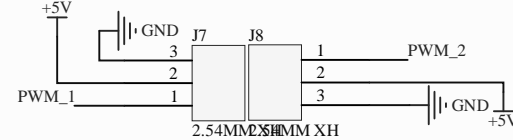
TX-RX COMMUNICATION



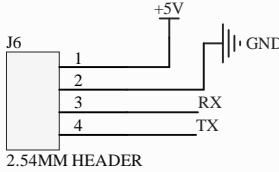
I2C MULTIPLEXER



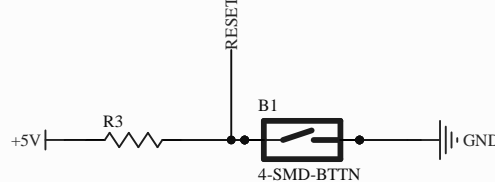
ESC PIN



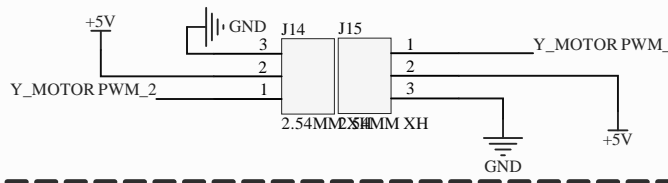
RASPI-ARDUINO



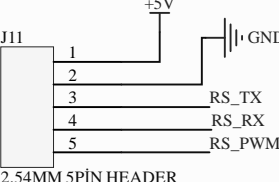
RESET BUTTON



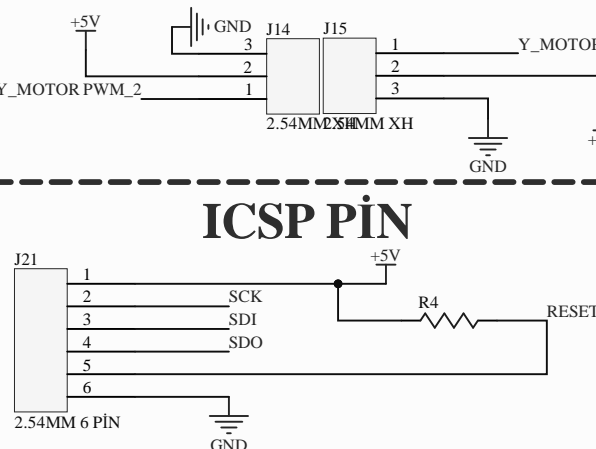
SERVO MOTOR PIN



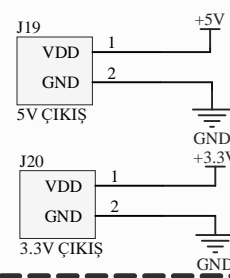
RS232-485 COMMUNICATION



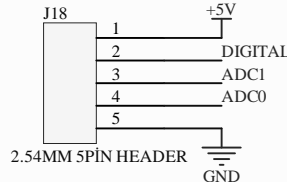
ICSP PIN



POWER OUTPUT



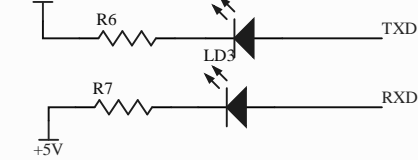
TEST PIN



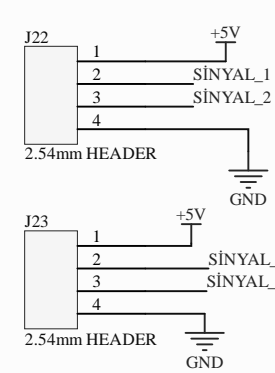
POWER LED



RX-TX LED



DISTANCE SENSOR



ATMEGA2560

Title *			
Size: A3	Number:*	Revision:*	
Date: 28.05.2020	Time: 03:03:07	Sheet* of *	
File: D:\BATUHAN DOSYALAR\PCB TASARIMLAR\SUALTI DOSYALAR\AKK_V3\AKK_V3\AKK_V3.SchDoc			

Altium

Comment	Description	Designator	Footprint	LibRef	Quantity
4-SMD-BTTN	SWITCH TACTILE SPST- NO 0.05A 24V	B1	4-SMD-BTTN-11.6-6.5	B3FS-1012P	1
=Value	CAP CER 0.1UF 50V X7R 1206	C2, C3, C4, C5, C6, C7, C8, C9, C10, C11	C1206N	C1206C104K5RAC7210	10
2.54MM 5PiN HEADER		J1, J11, J18	2.54MM_5PIN_HEADE R	2.54MM 5PiN HEADER	3
12V Giriş		J2	KLEMENS_5MM	KLEMENS	1
2.54mm HEADER		J3, J4, J6, J22, J23	2.54MM_HEADER	2.54mm HEADER	5
2.54MM 6 PiN		J5, J21	2.54mm 6 pin	2.54MM 6 PiN	2
2.54MM XH		J7, J8, J9, J10, J12, J13, J14, J15, J16, J17	XH 2.54MM 3 PiN	2.54MM XH	10
5V ÇIKIŞ		J19	KLEMENS_5MM	KLEMENS	1
3.3V ÇIKIŞ		J20	KLEMENS_5MM	KLEMENS	1
=Value	LED BLUE CLEAR 1206 SMD	LD1, LD2, LD3	1206-BLUE	APTR3216PBC/A	3
=Value	RES SMD 1K OHM 0.1% 1W 1206	R1, R2, R3, R4, R5, R6, R7	R1206N	HRG3216P-1001-B-T1	7
LM2940-5V	TEXAS INSTRUMENTS LM2940T-5.0/NOPB Fixed LDO Voltage Regulator, 0V to 26V, 500mV Dropout, 5Vout, 1Aout, TO-220- 3	U1	TO220	LM2940T-5.0/NOPB	1
LD29150DT33R-3.3v	STMICROELECTRONIC S LD29150DT33R Fixed LDO Voltage Regulator, 4.3V to 30V, 400mV Dropout, 3.3Vout, 1.5Aout, TO- 252-3	U2	TO252-DPAK	LD29150DT33R	1
TANTAL_1206		U3, U6	TANTAL_1206	TANTAL_1206	2
TANTAL_7343		U4, U5	TANTAL_7343	TANTAL_7343	2
MPL3115A2		U7	MPL3115A2	MPL3115A2	1
SHT15_V2		U8	SHT15_V2	SHT15_V2	1
ATMEGA2560		U9	ATMEGA2560	ATMEGA2560	1
=Value	Crystal 25MHz ±30ppm (Tol) ±50ppm (Stability) 20pF 2-Pin HC-49/SDLF SMD T/R	X1	HC49	FC4SDCBMF25.0-T1	1