

Document reference:
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Product reference:
SERVO_INV1

Company: www.st.com
STMicroelectronics



Index	Quantity	Reference	Description	Value / Generic Part Number	Voltage	Power/ Current	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Additional Notes
1	7	CON1,CON2,CON3,CON4,CON5,CON6,CON7		4TP-diam5mm-Holemm				1PIN-6D4MM			N.M.
2	2	C1,C2	THT Electrolytic Capacitor	820uF	100V			CAPE-R18H25-P75	WURTH ELEKTRONIK	860040881014 or equivalent	
3	12	C5,C10,C12,C13,C14,C17,C18,C23,C24,C25,C26,C29	SMT ceramic capacitor	2.2u	100V		10%	C1210	WURTH ELEKTRONIK	885012209071 or equivalent	
4	13	C6,C7,C8,C9,C11,C19,C20,C21,C22,C30,C31,C32,C33	SMT ceramic capacitor	1n	25V			C0603			N.M.
5	1	D1	3 A - 100 V power Schottky rectifier	STPS3H100	100 V	3 A		SMB	STMicroelectronics	STPS3H100UF or equivalent	
6	1	HS1	Heatsink 50mm x 50mm x 25mm with mounting holes at 47mm x 47mm	ATS-CPX050050025-124-C1-R0					Advanced Thermal Solutions Inc.	ATS-CPX050050025-124-C1-R0	
7	3	J1,J2,J3	WR-PHD 1.27mm SMT Straight Dual Socket Header WR-PHD	Strip 2x4				62330821021-WE	WURTH ELEKTRONIK	62330821021 or equivalent	
8	1	NTC1	NTC Thermistor	10k				R0603	muRata	NCP18XH103F03R8 or Equivalent	
9	4	NT1,NT2,NT3,NT4	M3 hexagonal nut	M3							
10	13	Q1,Q2,Q3,Q4,Q5,Q6,Q7,Q8,Q9,Q10,Q11,Q12,Q13	N-channel enhancement mode standard level 100 V, 4.6 m? max., 125 A STripFET F8 Power MOSFET	STL160N10F8	100 V	125 A		PFLAT_6X5-8LEADS	STMicroelectronics	STL160N10F8 or equivalent	
11	13	R3,R4,R5,R6,R8,R11,R12,R13,R14,R18,R19,R20,R21	SMT resistor	4.7		0.1W	5%	R0603			
12	3	R7,R15,R22	Power Metal Strip Resistors, Low Value, High Power, Surface-Mount, 4-Terminal	500u			1%	WSK12161L000FEA	VISHAY	WSK1216L5000FEA or Equivalent	
13	4	SC1,SC2,SC3,SC4	M3 Cheese-head screw	M3x16mm							
14	4	SP1,SP2,SP3,SP4	M3 Round Brass Spacers 7 mm	Spacers					WURTH ELEKTRONIK	963070042 or equivalent	
15	1	TIM1	Thermally conductive Gap filler, 150x150 mm sp.0,5 mm. 1/9 of a panel needed	50mm x 50mm					RS-PRO	707-4645	Below HS1

Chip cap
X7R