Bill of Materials

TS-Controlboard Sorter

PCB assem.: 91-P600-0314a

Created: 16.12.2019
Name:

Checked:
Name:

Change	Quantity	Designator	Item	Type	Electrical Spec.	Mechanical Spec.	Manufacturer	Manu. No.	Distributor	Distr. No.	Alternative
	7	C200, C201, C202, C406, C416, C420, C422	Kondensator	X5R	10µF 20% 25V	603	TDK	C1608X5R1E106M080AC	Farnell	2525099	ja
	2	C203, C204	Kondensator	X5R	10µF 20% 25V	603	TDK	C1608X5R1E106M080AC	Farnell	2525099	ja
	13	C205, C206, C207, C208, C209, C210, C211, C212, C213, C302, C303, C308, C309	Kondensator	X7R	2,2uF 10% 6,3V	603	TDK	C1608X7R1A225K080AC	Farnell	2346896	ja
	23	C214, C215, C218, C300, C301, C314, C315, C326, C400, C402, C403, C404, C405, C407, C408, C409, C410, C412, C414, C417, C418, C419, C421	Kondensator	X7R	100nF 10% 50V	603	Multicomp	MC0603B104K500CT	Farnell	1759122	ja
	2	C216, C217	Kondensator	C0G	15pF 1% 100V	603	AVX	06031A150FAT2A	Farnell	2332556	ja
	8	C304, C306, C312, C320, C329, C330, C331, C332	Kondensator	NP0	100pF/5%/50V	603	Multicomp	MC0603N101J500CT	Farnell	1759066	ja
	11	C305, C307, C311, C313, C319, C321, C323, C325, C328, C411, C413	Kondensator	X7R	10nF 10% 100V	603	Murata	GCM188R72A103KA37D	Farnell	2470432	ja
	6	C310, C318, C322, C324, C327, C415	Kondensator	C0G	220pF 5% 50V	603	Multicomp	MC0603N221J500CT	Farnell	1759071	ja
	1	G200	Quarz	ABM3	12,000 MHz/85°C/20ppm	2-SMD/L5xB3,2xH1,3	Abracon	ABM3-12.000MHZ-D2Y-T	Digikey	535-10634-1-ND	IPT Freigabe
	2	H200, H201	LED	grün	2mA/1,9V (3,6mcd)	0805/Top View/130°	Bivar	SM0805GCL	Mouser	749-SM0805GCL	ja
	1	IC200	IC	Microcontroller Piccolo	1,8V/3,3V	HTQFP-100/RM0,5	Texas Instruments	TMS320F28075PZP	Mouser	595-TMS320F28075PZPT	Nein
	1	IC201	IC	Integrated dc-dc	Step-Down 2,7-6Vin 2A	QFN-20 (3x5mm)	MPS	MPM3820GQV-P	Mouser	946-MPM3820GQV-P	IPT Freigabe
	1	IC202	IC	64k FRAM Seriell	2,7 - 3,65V	SOIC8	Cypress	FM25CL64B-G	Farnell	2077755	IPT Freigabe
	5	IC300, IC301, IC302, IC303, IC304	IC	Dual OpAmp	12V/75mA/130MHz	SO-8N	Texas Instruments	LMH6643MAX/NOPB	Mouser	926-LMH6643MAX/NOPB	IPT Freigabe
	1	IC401	IC	RS232 Transciever	3-5V 85C 250kbit/s	SO-16	Texas Inst	MAX3232ID	Mouser	595-MAX3232ID	IPT Freigabe
	2	IC402, IC405	IC	CAN Tranceiver	3 .. 3,6V/36mA	SOIC-8	Maxim	MAX33054EASA+	Mouser	700-MAX33054EASA+	IPT Freigabe
	1	IC403	IC	RS422/RS485 Transceiver Isolator	3V..5,5V/2,5kV (Iso)	SOIC-20	Analog Devices	ADM2582EBRWZ-REEL7	Mouser	584-ADM2582EBRWZR7	IPT Freigabe
	3	L200, L403, L405	Induktivität	Störungs Drossel	220Ohm@100MHz 8,5mOhm	1206	Würth Elektronik	742792122	Würth Elektronik	742792122	IPT Freigabe
	1	L300	Induktivität	Störungs Drossel	60ohm@100MHz 8.5mohm	603	Würth Elektronik	74279228600	Würth Elektronik	74279228600	IPT Freigabe
	4	L400, L401, L402, L404	Drossel	Double Common Mode	2x51uH	LxBxH=7,1x6x5,2 mm	Epcos	B82790-S0513-N201	Farnell	9752250	IPT Freigabe
	1	LPT100	PCB		TIA9100-0034a	PCB 91-P600-0313a					nein
	2	MH124, MH126	SMD-Terminal	WP-SMRA		Bohrung 3,3mm	Würth Elektronik	7466310	Mouser	710-7466310	Nein
	11	R100, R300, R301, R306, R307, R312, R313, R318, R319, R324, R409	Widerstand	Dickschicht	100R/1%/75V/0,1W/100ppm	603	Yageo	AC0603FR-13100RL	Mouser	603-AC0603FR-13100RL	ja
	3	R101, R103, R104	Widerstand	Dickschicht	3,3k/1%/75V/0,1W/100ppm	603	Vishay	CRCW06033K30FKEAC	Mouser	71-CRCW06033K30FKEAC	ja
	1	R102	Widerstand	Dickschicht	27R/1%/75V/0,1W/100ppm	603	Vishay	CRCW060327R0FKEAC	Mouser	71-CRCW060327R0FKEAC	ja
	1	R200	Widerstand	Dickschicht	100k 1% 50V 0,1W 100ppm	603	Bourns	CR0603-FX-1003ELF	Mouser	652-CR0603-FX-103ELF	ja

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	8	R201, R202, R205, R206, R210, R211, R213, R214	Widerstand	Dickschicht	56k/1%/V/W/100ppm	603	Multicomp	MCWR06X5602FTL	Farnell	2447399	ja
	1	R203	Widerstand	Dickschicht	200k 1% 50V 0,1W 100ppm	603	Yaego	RC0201FR-07200KL	Mouser	603-RC0201FR-07200KL	ja
	1	R204	Widerstand	Dickschicht	44.2k/1%/50V/0,1W/100ppm	603	Yaego	RT0603BRE0744K2L	Mouser	603-RT0603BRE0744K2L	ja
	1	R207	Widerstand	Dickschicht	2,2k/1%/75V/0,1W/100ppm	603	Vishay	CRCW06032K20FKEA	Farnell	1469765	ja
	3	R208, R215, R216	Widerstand	Dickschicht	3,3k/1%/75V/0,1W/100ppm	603	Vishay	CRCW06033K30FKEAC	Mouser	71-CRCW06033K30FKEAC	ja
	1	R209	Widerstand	Dickschicht	470R/1%/100mW/50V/100ppm	603	Multicomp	MCWR06X4700FTL	Farnell	2447374	ja
	1	R212	Widerstand	Metallschicht?	1k/1%/75V/0,1W/100ppm	603	Multicomp	MCWR06X1002FTL	Farnell	MCWR06X1002FTL	ja
	13	R302, R303, R308, R309, R314, R315, R320, R321, R325, R404, R405, R411, R413	Widerstand	Dickschicht	1k/1%/75V/0,1W/100ppm	603	Multicomp	MCWR06X102 JTL	Farnell	2694685	ja
	4	R400, R401, R406, R407	Widerstand	Dickschicht	54R/?1/75V/0,1W/100ppm	603	Multicomp	MCWR06X56R0FTL	Farnell	2447400	ja
	4	R402, R408, R410, R412	Widerstand	Dickschicht	62R/1%/75V/0,1W/100ppm	603	Multicomp	MCWR06X62R0FTL	Farnell	2447415	ja
	2	S200, S201	Schalter	4 Schaltkreise SPST (Schiebeschalter)	24VDC/25mA	RM2,54/SMD	Omron	A6S-4102-H	Farnell	1455489	IPT Freigabe
	4	V400, V401, V402, V403	Suppressordiode	bipolar	8V/600W	DO-214AA	Littlefuse	576-SMBJ8.0CA	Mouser	576-SMBJ8.0CA	IPT Freigabe
	4	V404, V405, V406, V407	Diode	Suppressor bidirectional	24V/8A	SOT-23	On Semiconductor	NUP2105LT1G	Mouser	863-NUP2105LT1G	IPT Freigabe
	3	X100, X101, X102	Stiftleiste	6polig	6A/160V	RM2,5/SMD	Phönixcontact	PTSM0,5/6-HH-2,5-SMD R44/1778803	Mouser	651-1778803	IPT Freigabe
	1	X103	Stiftleiste	WR-PHD	3A/500V(AC)	RM2,54/SMD	Würth Elektronik	61031421121	Mouser	710-61031421121	IPT Freigabe
	1	X104	Stiftleiste	WR-PHD	3A/500V(AC)	RM2,54/SMD	Würth Elektronik	61001221121	Mouser	710-61001221121	IPT Freigabe
	1	X124	Stiftleiste	SMD/2reihig/24polig (2x12)	3A/600V	RM2,54	Würth Elektronik	610124249121	Farnell	2470740	IPT Freigabe
	1	X126	Stiftleiste	SMD/2reihig/26polig (2x13)	3A/600V	RM2,54	Würth Elektronik	610126249121	Farnell	2470786	IPT Freigabe
		*NB : nicht bestückt/not assembled									

Notes	Erklärung zur Spalte Alternative:" ja"=Alternative Typen möglich, "nein"= Alternative Typen nicht möglich, "IPT Freigabe"= eventuelle Alternative mit IPT abklären

Notes Change	