

SolidRun SolidPC Carrierboard BOM

INCB001 REV 1.2.0

SolidRun P	Quantity	Assembly	Part	PCB Footprint	Description	Manufactu	Manufacturer P/N	Reference
CO00573	1		HEADER 4x2/SM	M20	Two row 100-mil through hole header			J8
CO00554	1	USB	Dual USB 3.0					U5
CO00575	1	AUDIO	OJ-001A-xxT0					U47
CO00552	1	M.2_WIFI	NGFF M.2	NGFF				U33
RE20002	4	,LAN2	4.7k	R0402	RES 0402 1/16W 4.7K? 5%	Yageo	RC0402JR-074K7L	R4,R285,R286,R193
RE20204	1	AUDIO	2.2k	402	CHIP RES 2.2K 1/16W 0402			R283
CA20017	2	LAN2	18pF	C0402	CAP CER 0402 18pF 50V 5% C0G	Murata	GRM1555C1H220JA01D	C231,C232
CO00559	1	HDMI	HDMI Connector	ABA-HDM-051	HDMI Connector			J11
CO00514	1	M.2_SSD	NGFF M.2	NGFF				U4
CA20090	28	USB,HDMI,	100nF-ESL	C0402	CAP CER 100NF 16V 10% X7R 0402	CAPAX	0402X104K250SNT	C15,C16,C33,C34,C39,C40,C41,C42,C43,C44,C45,C46,C47,C48,C56,C57,C58,C59,C60,C61,C62,C63,C64,C65,C223,C224,C233,C234
IC01034	1	USB	NCP380 NCP380HMU20AATBG	TSOP-5	Adjustable USB Current limiter	OnSemi	NCP380HMU20AATBG	U8
RN00007	1		4x300 Ohm	YC124	Resistor Network 4.7K Ohm 5% 4 x 0402 SMT			RN7
RN00002	1	DispPort	4x4.7K	YC124	4.7K Resistor Network 4x0402 5%			RN6
OC00014	1	LAN2	25MHz	S3225	25MHz 2mm x 1.6mm xyz ppm	YOKETAN	S3225A025000-F10CCCA	Y4
IN00016	3	USB	0805USB-421ML	CHOKE_0805	Common Mode Filter USB 2.0	Coilcraft	0805USB-421MLC	T1,T3,T6
BT00001	1		SCR1620VE01S	N/A	RTC Battery xV/yA	JL Worldwi	<null>	BT1
IC00220	1	MicroSD	Dual SPDT	R-PUQFN-N10	Dual analog switch			U10
CO00091	1	MicroSD	Micro SD push-push	ZM90	SD/MMC card connector			U7
IC01064	1	AUDIO	ALC662	LQFP-48				U46
CA60001	2	LAN2,	1nF_2kv	C1210	CHIP CAP 1nF 2KV 1610	Hitano	1210N102J202NT	C87,C230
CO00526	1	USB	USB-3.0 Type A	U3F09D-F1N2	USB-3.0 Host connector	Genesis	USAR-2F09-AB63T1H	CON7
IC01002	1		ATPL-453R	ATPL-453R	1000 BASE-T DUAL PORT PoE PLUS MAGNETICS MODULE SMT			T2
IC01040	2	DispPort,H	PCA9306	US8				U39,U40
IN00001	5	,AUDIO	90Ohm	805	Filter Bead 90ohms 25%	VIKING	CB05YTYH900	L2,L3,L17,L19,L20
RE20015	1	M.2_WIFI	100K	R0402	RES 0402 1/16W 100K 1%			R275
RE20014	2			150	RES 0402 1/16W 150 Ohm 1%	Yageo	RC0402FR-0710KL	R135,R287
RE20010	2	,AUDIO	1K	R0402	RES 0402 1/16W 1K 5%	Yageo	RC0402FR-071KL	R11,R282
CO00509	3	UART	HEADER 3	Header_3x1	100 mil header 3 x 1	cvilux	CH31032V200-NH	J25,J39,J42
IC01036	1	HDMI	PTN3363	HVQFN32	DP to HDMI level shifter			U38
CO00017	3		DF40C-80DS-0.4V(51)	DF40HC-80DS	Board-to-Board 80 pins, 0.4mm pitch	Hirose	DF40C-80DS-0.4V(51)	J1,J2,J3
CO00543	1		56LED-B-S-2ports					CON10
CA20005	4	USB,Micro	1uF	C0402	CAP CER 0402 1uF 10V 10% X5R	samsung	CL05A105KP5NNNC	C20,C31,C67,C235
RN00041	1		4x1K	4xR0402	4 Elements 1 KOhm 5%			RN5
CA60002	2	AUDIO	100uF	1210	CAP CER 100UF 6.3V 20% X5R 1210			C262,C263
CA20001	14	HDMI,,LAN	100nF	C0402	CAP CER 0402 100nF 10V 10% X7R	samsung	CL05B104KP5NNNC	C54,C55,C69,C225,C226,C236,C237,C238,C243,C244,C248,C264,C266,C267
CA60004	2		10uF-C1210	C1210	CHIP CAP 10uF 50V 10% X7R 1210	SAMSUNG	CL32B106KBJNNWE	C5,C8
CA20002	6	M.2_SSD,M	10nF-ESL	C0402	CHIP CAP 10nF 25V 0402 X7R	Capax	0402X103K250SNT	C9,C10,C11,C12,C35,C38
IC01039	1	DispPort	Dual SPDT - 5V tolerant		Dual analog switch			U12
CO00555	1	DispPort	DisplayPort - 3VD51203-H7JJ-7H		Display Port full size			U11
IC00666	1	MicroSD	TSM2323	SOT23	20V P-Channel MOSFET			Q1
RE20401	8	LAN2,		75	RES 0402 1/16W 75 1%	Yageo	RC0402FR-0775RL	R127,R128,R129,R130,R131,R132,R133,R134
CO00558	1		TCT switch with LED					U41
CA50001	2	USB	47uF	C1206	CAP CER 1206 47UF 6.3V 20% X5R	murata	GRM31CR60J476ME19L	C19,C21
SW00001	1		Tactile	N/A		ALPS		SW2
CO00053	1		KLDHCX-0202-A-LT		Power Jack	<null>	<null>	CON1

RE20436	1	LAN2	2.49K	R0402	RES 0402 1/16W 2.49 KOhm 1%	Yageo		R191
MCH0007	3		MECH_2.4_3.6	MECH_2.4_3.6				J18,J19,J27
IN00030	1	LAN2	4.7uH	806	IND PWR 4.7UH@1MH 1.1A 20% SMD			L15
IN00033	6	USB	DLP11TB800UL2	DLP11TB800UL2	Common Mode Filters / Chokes 0504 80ohm EMI Sup	Murata	DLP11TB800UL2L	L1,L4,L7,L8,L9,L10
RE20432	1	AUDIO		80	R0402	RES 0402 1/16W 80 1%	Yageo	R279
MCH0009	4		MECH_2.5_4.1	MECH_2.5_4.1				J30,J31,J32,J33
MCH0008	2	M.2_SSD,M	MECH_3.7_6.0	MECH_3.7_6.0				J7,J12
RE20439	2	AUDIO,AU	20K	R0402	RES 0402 1/16W 20K 1%			R278,R281
CA40006	4		47uF	C0805	CAP CER 0805 47UF 4V 20% X5R			C123,C239,C240,C241
RE20416	1	DispPort	1M	R0402	RES 0402 1/16W 1M 5%	Yageo	RC0402FR-071ML	R28
RE20457	1	HDMI	12.4K	402	RES MF 12.4 KOhm 0402 1%			R38
DI00210	1	M.2_SSD	SMT Green	1SA0603	Indication LED 0603 - Green	BRIGHTTEK	1SA0603G32A0CB01	LED18
IC01013	1	LAN2	RTL8111G(S)	QFN32				U23
RE20009	1			0	R0402	RES 0402 1/16W 0? 5%	Yageo	RC0402JR-070RL
CO00516	1		STX-3000	STX-3000				J40
RE20422	1	AUDIO	5.11K	R0402	RES 0402 1/16W 5.1 KOhm 1%	Yageo		R280
IC01021	4	,UART,M.2	74AVCH2T45GD		Dual-bit, dual-supply voltage level translator/transceiver; 3-state			U34,U42,U43,U45
CA30006	8	LAN2,	100nF_100V	C0603	CAP CER 0.1 uF 100 V 10% X7R 0603	samsung	CL10B104KC8NNNC	C215,C216,C217,C218,C219,C220,C221,C222
RE20036	2	DispPort,H	200K	402	RES MF 200 KOHM 1/10W -- 0402			R46,R47
CA30001	4	MicroSD,A	10uF	603	CAP CER 10UF 6.3V 10% X5R 0603			C7,C245,C249,C261
CA30002	2		22uF	C0603	CAP CER 0603 22UF 6.3V 20% X5R	Samsung	CL10A226MQ8NRNE	C93,C94
CA30003	6	M.2_SSD,M	4.7uF	C0603	CAP CER 0603 4.7UF 10V 10% X5R	Hitano	0603B475K160NU	C14,C36,C37,C66,C268,C269