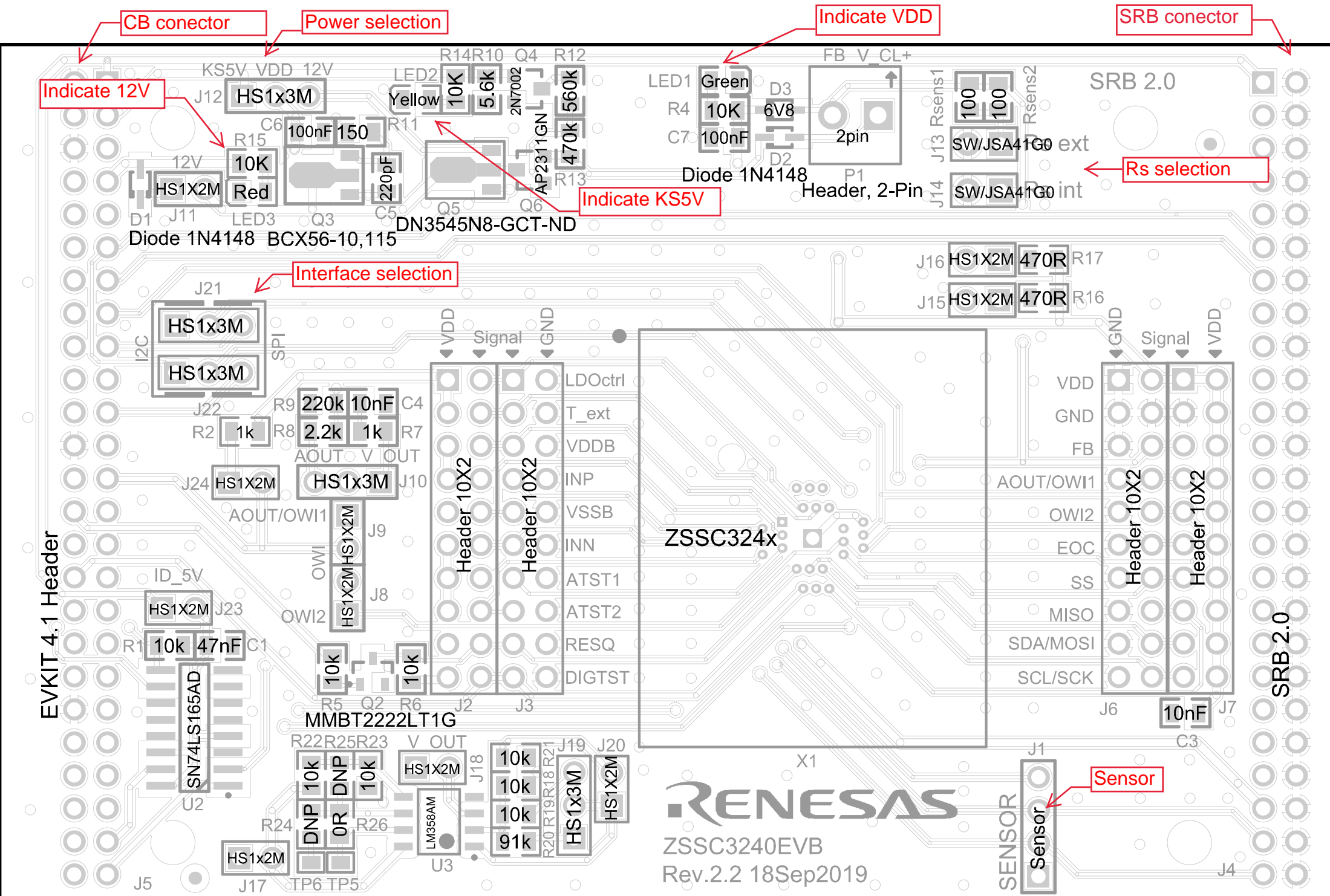


Title: ZSSC3240EVB			<b>RENESAS</b>
Project: ZSSC3240EVB.PrjPcb			
Size: A3	Sheet: 1 of 1	Drawn by:	
File: ZSSC3240EVB.SchDoc			
Revision: 2.2			Date: 9.4.2020 r.



CB conector

Power selection

Indicate VDD

SRB conector

Indicate 12V

Indicate KS5V

Interface selection

Rs selection

Sensor

EVKIT 4.1 Header

SRB 2.0

RENESAS

ZSSC3240EVb  
Rev.2.2 18Sep2019

SENSOR

Sensor

J4



## BILL OF MATERIALS ZSSC3240\_EVB

No	Name	Type	Package	Manufacturer	Manufacturer Code	pcs.
1	C1	47nF 100V X7R +-10%	C0805	SAMSUNG ELECTRO-MECHANICS	CL21B473KCFNNNF	1
2	C3,C4	10nF 50V X7R +-5%	C0805	SAMSUNG ELECTRO-MECHANICS	CL21B103JBANNNC	2
3	C5	220pF 50V C0G +-5%	C0805	SAMSUNG ELECTRO-MECHANICS	CL21C221JBNC	1
4	C6, C7	100nF 50V X7R +-10%	C0805	SAMSUNG ELECTRO-MECHANICS	CL21B104KBNC	2
5	D1, D2	75V 300mA 4ns 2pF	SOD323	DIODES/ZETEX	1N4148WS-7-F	2
6	D3	6.8V 200mW	SOD323	ROHM	UD2STE-176.8B	1
7	J1	HN1X4 2.54mm	HS1X4M	CVILUX	CH31042V200	1
8	J2,J3,J6,J7	HN2X40 TH, P2.54mm	HS2X10M	CVILUX	HN2X40	4
9	J4	2x 25-pin socket terminal strip, angled, RM 2.54	HR2X25M	N.A	N.A	1
10	J5	2 x 25-pin header, angled, pitch 2.54	HR2X25F	N.A	N.A	1
11	J8, J9, J11, J15, J16, J17, J18, J20, J23, J13,J14,J24	HN1X2	HS1X2M	3M	961102-6404-AR	12
12	J10, J12, J19, J21, J22,	HN1X3 TH, P2.54mm	HS1X3M	CVILUX	CH31032V200	5
13	LED1	OSG50805C1E	LED0805 G 3D	OPTOSUPPLY INTERNATIONAL	OSG50805C1E	1
14	LED2	OSY50805C1E	LED0805 Y 3D	OPTOSUPPLY INTERNATIONAL	OSY50805C1E	1
15	LED3	OSR50805C1E	LED0805 R 3D	OPTOSUPPLY INTERNATIONAL	OSR50805C1E	1
16	P1	DG350-3.5-02P-14-00AH	HDR 1x2	DEGSON	DG350-3.5-02P-14-00AH	1
17	Q2	MMBT2222LT1G. - Bipolar (BJT) Single Transistor, General P	ONSC-SOT-23-3-318-08_L	ON SEMICONDUCTOR	MMBT2222LT1G.	1
18	Q3	NPN 80V 1A 1.3W HFE 100-250	SOT89	DIODES/ZETEX	BCX5616TC	1
19	Q4	NMOS 60V 0.115A 0.225W, 7.5Ohm/10V	SOT23	ON SEMICONDUCTOR	2N7002LT1G	1
20	Q5	DN3545N8-G - MOSFET Transistor, N Channel, 200 mA, 450	SOT89	MICROCHIP	DN3545N8-G	1
21	Q6	PMOS 60V 1.8A 1.38W 250mOhm/10V; 300mOhm/4.5V	SOT23	ADVANCED POWER ELECTR. CO	AP2311GN-HF-3TR	1
22	R1, R4, R5, R6, R14, R15, R18, R19, R21, R22, R23	RES SMD 0805 5% 10K 1/8W	R0805 3D	UNI OHM	0805S8J0103T50	11
23	R7,R2	RES SMD 0805 5% 200ppm 1.0K 1/8W	R0805 3D	UNI OHM	0805S8J0102T50	2
24	R8	RES SMD 0805 5% 2.2K 1/8W	R0805 3D	UNI OHM	0805S8J0222T50	1
25	R9	RES SMD 0805 5% 100ppm 220K 1/8W	R0805 3D	UNI OHM	N.A	1
26	R10	RES SMD 0805 1% 100ppm 5.6K 1/8W	R0805 3D	YAG/ASJ	N.A	1
27	R11	RES SMD 0805 5% 200ppm 150R 1/8W	R0805 3D	UNI OHM	0805S8J0151T50	1
28	R12	RES SMD 0805 5% 560K 1/8W	R0805 3D	UNI OHM	0805S8J0564T50	1
29	R13	RES SMD 0805 5% 470K 1/8W	R0805 3D	UNI OHM	0805S8J0474T50	1
30	R16, R17	Резистори SMD 0805 5%	R0805 3D	UNI OHM	0805S8J0471T50	2
31	R20	Res 91K	R0805 3D	UNI OHM	0805S8J0913T50	1
32	R24, R25	DNP	R0805 3D			2
33	R26	RES SMD 0805 JUMPER MAX 2A 50mOhm	R0805 3D	YAG/ASJ	N.A	1
34	Rsens1, Rsens2	RES SMD 0805 5% 100ppm 100R 1/8W	R0805 3D	YAG/ASJ	N.A	2
35	U2	SN74LS165AD - SERIAL-OUT SHIFT REGISTERS, 74LC165	SOIC16-3.81-1.27	TEXAS INSTRUMENTS	SN74LS165AD	1
36	U3	Low Power Dual Operational Amplifier, 8-pin Narrow SOIC	SO8	ON SEMICONDUCTOR	LM358DR2G	1
37	X1	QFN24 ZIF socket	QFN24 Socket	PLASTRONICS	24LQ50K14040	1

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