

FMC-to-QSE Adapter Card (Rev. C)

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REVISION HISTORY

REV	DATE	EDITOR	DESCRIPTION
0.1	04/07/2022	CFLEUNG	Initial release
1.0	10/10/2022	CFLEUNG	Official release
2.0	11/11/2022	CFLEUNG	Rev C1 release - Rename IC1 to U1 - Remove C15, C16, C19 from VADJ - Add C15, C16 to 3V3 - Change C13, C14, C15 to 10uF C0603
2.1	13/06/2023	CFLEUNG	Rev C1a release - Generalize All Net Names



Item	Part Type	Description	Value	Reference	Footprint	Mfr. PN	Quantity
1	CAPACITOR	X5R, 10%, 16V	10uF	C1,C3,C5,C7,C9,C11,C13,C14,C15,C17	C0603		10
2	CAPACITOR	X5R, 10%, 50V	0.1uF	C2,C4,C6,C8,C10,C12,C16,C18	C0402		8
3	CONNECTOR	0.80 mm Q Strip® High-Speed Ground Plane Socket Strip	QSE-020-01-X-D-A	J1,J2,J3	QSE-020-01-X-D-A	QSE-020-01-F-D-A	3
4	CONNECTOR	Board to Board & Mezzanine Connectors .050 PITCH TERMINAL ARRAY ASSEMBLY MALE	ASP-134488-01	J4	SAMTEC_ASP-134488-01	ASP-134488-01	1
5	CONNECTOR		CON PH-4X2	J5			1
6	INDUCTOR	Low Profile Hight Current SMT Shielded Power Inductor	4.7uH	L1	TYA2520	TYA2520124R7M-10	1
7	RESISTOR	1%, 0.125W	DNI	R1	R0402		1
8	RESISTOR	1%, 0.125W	0R	R2	R0402		1
9	RESISTOR	1%, 0.125W	10K	R3,R4,R5,R6,R7,R8,R9,R10,R11,R12,R13,R14,R15,R16,R17,R18,R19,R20	R0402		18
10		Switching Voltage Regulators Step-up DC/DC Reg 1 MHz, 1.6A, 5Vout	MCP1642B/D	U1	SOP65P490X110-8N	MCP1642B/D	1



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