



PQVL (PARTS & QUALIFIED VENDORS LIST)

BOM Released on: CN-0121348
Auto-generated on: 10/08/2022

		Assembly PN		SPENIAF00		Program / Customer Name		Locations		Vals - ELM											
		318	Description	SJB-020-2303 M70 D0 ZB BCP-01 V10 MAX (w/ Jacinto) MY23																	
Level	Part Number	Plant PN	Description	Vendor Name	Vendor PN	Eng. UOM	State	SEM Comments	AEC	Size	Layer	Qty	Reference Designator	Function	Part Type						
1	518400254		FUSE LOW-V MINI 5A,PLUG,0297005,WXNV,LFUSE	Littelfuse	0297005,WXNV	EA	Released		N/A			2	MISC1		Fuse/Low Voltage/Standard Mini						
1	518400296		FUSE LOW-V MINI 20A,PLUG,0297020,WXNV,LFUSE	Littelfuse	0297020,WXNV	EA	Released	518400296 SUPERSEDES 322000159	N/A			2	MISC2		Fuse/Low Voltage/Standard Mini						
1	518400262		FUSE LOW-V MINI 7.5A,PLUG,0297075,WXNV,LFUSE	Littelfuse	0297075,WXNV	EA	Released		N/A			2	MISC3		Fuse/Low Voltage/Standard Mini						
1	E06963700		SCREW, Torx Washer M2.5, TORX, 12.00MM, 4.4210240809	Ejot	4210240809	EA	Released		N/A			4	MISC4		Fastener/Screw						
1	E30321500		BOX CO COVER,Bottom Cover	Visteon	VPMKAF-14B127-AA	EA	Released		N/A			1	MISC5		Electrical-Electronic Box Component/Cover/Plastic						
1	E30320500		BOX CO COVER,BMW BCP21 Top Cover with CON6	Visteon	VPMKAF-14B127-CA	EA	Released		N/A			1	MISC7		Electrical-Electronic Box Component/Cover/Plastic						
1	2FENIAF00		SUBASSY PCB,ZB BCP-01 V10 MAX (w/ Jacinto)			EA	Released	PV SAMPLES - CN-0121145 HW D0 - SOP 2 - V10 REFERENCE FOR PV Samples	N/A			1	MISC19		Electronics Subassembly/PCB/Main PCB						
2	E15316900		CAP CE,4.7nF,10%,50V,X7R,0402,UMK105B742KVH*,TAIYO	Taiyo Yuden	UMK105B742KVH*	EA	Released	For Infotainment/Body Electronics Applications.	Yes			29			Capacitor/MLCC/Single						
2	E16261800		CAP CE,4.7nF,10%,100V,X7R,0603,C0603C472K1RAC3*** KEMET	Kemet	C0603C472K1RAC3***	EA	Released		Yes			3			Capacitor/MLCC/Single						
2	E03432900		CAP CE,1uF,10%,10V,X7S,0402,GCM155C71A105KE38*,MUR	Murata	GCM155C71A105KE38*	EA	Released	Both 0603 and 0402 are in production but use 0603 to have more dual source alternatives	Yes			50			Capacitor/MLCC/Single						
2	E34448800		CAP CE,100nF,10%,16V,X7R,0402,MT15B104K160C*,WALSIN	Walsin Technology	MT15B104K160C*	EA	Released	NRND (Not Recommended for New Designs). Used only for BCP21 (Build to print).	Yes			87			Capacitor/MLCC/Single						
2	E34343400		CAP CE,1nF,10%,50V,X7R,0402,UMK105 B7102KVH*,TAIYO	Taiyo Yuden	UMK105 B7102KVH*	EA	Released	For Infotainment/Body Electronics Applications.	Yes			3			Capacitor/MLCC/Single						
2	E06429000		CAP CE,4.7uF,10%,16V,X7R,0805,EMK21A87475KGH*,TAIYO	Taiyo Yuden	EMK21A87475KGH*	EA	Released	For Infotainment/Body Electronics Applications.	Yes			3			Capacitor/MLCC/Single						
2	E34448700		CAP CE,2.2nF,10%,50V,X7R,0402,MT15B222K500C*,WALSIN	Walsin Technology	MT15B222K500C*	EA	Released	NRND (Not Recommended for New Designs). Used only for BCP21 (Build to print).	Yes			71			Capacitor/MLCC/Single						
2	E06667400		CAP CE,10nF,10%,100V,X7R,0603,ESD31C103K47A18,AVX	AVX	ESD31C103K47A18	EA	Released		Yes			64			Capacitor/MLCC/Single						
2	E34335100		CAP CE,ST,100nF,10%,50V,X7R,0603,ST18B104K500C*,WALSIN	Walsin Technology	ST18B104K500C*	EA	Released		Yes			66			Capacitor/MLCC/Single						
2	E34348100		CAP CE,10nF,10%,50V,X7R,0402,MT15B103K500C*,WALSIN	Walsin Technology	MT15B103K500C*	EA	Released		Yes			53			Capacitor/MLCC/Single						
2	E34340500		CAP CE,ST,100nF,10%,16V,X7R,0402,GJ3155R71C104KA01*,MUR	Murata	GJ3155R71C104KA01*	EA	Released	Special edition 0402 SoftTerm capacitors made for Visteon	Yes			4			Capacitor/MLCC/Single						
2	E30547500		CAP CE,ST,22uF,10%,10V,X7R,1206,LMJ316B87226KLH*,TAIYO	Taiyo Yuden	LMJ316B87226KLH*	EA	Released	For Infotainment/Body Electronics Applications.	Yes			12			Capacitor/MLCC/Single						



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		318	Assembly PN: SFENIAF00 Description: SJB-020-2803 H70 D0-ZB BCP-03 V10 MAX (see Jaccro) MY23	Program / Customer Name: BCP21 / BMW	Locations: Valb - ELM										
2	370014539		CAP CE, 1uF, 10%, 10V, X7R, 0603, LMK107B7105KAH*, TAIYO	Taiyo Yuden	LMK107B7105KAH*	EA	Released	For Infotainment/Body Electronics Applications.	Yes			1	C200317		Capacitor/MLCC/Single
2	E14457900		CAP CE, ST, 4.7uF, 10%, 50V, X7S, 1206, UMJ3168C7475KLH*, TAIYO	Taiyo Yuden	UMJ3168C7475KLH*	EA	Released	For Infotainment/Body Electronics Applications. 5mm soft term is per attached PN specific product specification rather than 3mm catalog	Yes			9	C20018, C20019, C20035, C20036, C20038, C20039, C20040, C20051, C20054		Capacitor/MLCC/Single
2	E34344100		CAP CE, 10uF, 5%, 50V, CGO, 0402, UMK105 CG100JVH*, TAIYO	Taiyo Yuden	UMK105 CG100JVH*	EA	Released	For Infotainment/Body Electronics Applications.	Yes			2	C20024, C34116		Capacitor/MLCC/Single
2	E30318300		CAP CE, 100uF, 5%, 50V, X7R, 0603, C0603C104J5RAC3***, KEMET	Kemet	C0603C104J5RAC3***	EA	Released		Yes			56	C20028, C34219, C34220, C34221, C34222, C34223, C34224, C34225, C34226, C34227, C34228, C34229, C34230, C34047, C43048, C43049, C43050, C43051, C43052, C43053, C43054, C43055, C43056, C43057, C43058, C43059, C43060, C43061, C43062, C43063, C43064, C43065, C43066, C43067, C43068, C43069, C43070, C43071, C43072, C43073, C43074, C43075, C43076, C43077, C43078, C43079, C43080, C43081, C43082, C43083, C43084, C43087, C43088, C43090, C43091, C43094		Capacitor/MLCC/Single
2	E16131600		CAP CE, ST, 33nF, 10%, 50V, X7R, 0603, C0603X33K5RAC3***, KEMET	Kemet	C0603X33K5RAC3***	EA	Released	For Infotainment/Body Electronics Applications. 5mm soft term is per attached PN specific product specification rather than 3mm catalog	Yes			1	C20030		Capacitor/MLCC/Single
2	E14950100		CAP CE, ST, 2.2uF, 10%, 50V, X7R, 1206, UMJ316AB725KLH*, TAIYO	Taiyo Yuden	UMJ316AB725KLH*	EA	Released		Yes			7	C20034, C20037, C20067, C24010, C31073, C41001, C41002		Capacitor/MLCC/Single
2	E01606100		CAP CE, ST, 22nF, 10%, 100V, X7R, 0603, GJ1188R72A22KA01*, MUR	Murata	GJ1188R72A22KA01*	EA	Released		Yes			6	C20041, C40002, C44014, C44015, C44040, C44041		Capacitor/MLCC/Single
2	E30244900		CAP CE, 10uF, 20%, 6.3V, X7T, 0603, GCM188D70106ME36*, MUR	Murata	GCM188D70106ME36*	EA	Released		Yes			6	C20042, C20046, C20047, C20063, C20068, C20069		Capacitor/MLCC/Single
2	E02801900		CAP CE, 4.7uF, 10%, 10V, X7R, 0805, LMK212B7475KGH*, TAIYO	Taiyo Yuden	LMK212B7475KGH*	EA	Released	For Infotainment/Body Electronics Applications.	Yes			4	C20043, C20044, C21050, C22045		Capacitor/MLCC/Single
2	E30245000		CAP CE, 22pF, 5%, 50V, CGO, 0201, GCM0335C1H220JA16*, MUR	Murata	GCM0335C1H220JA16*	EA	Released		Yes			10	C20049, C34074, C34134, C34135, C34183, C34184, C34185, C34186, C34187, C34205		Capacitor/MLCC/Single
2	E30245100		CAP CE, 4.7uF, 10%, 10V, X7R, 0201, GCM033R71A472KA03*, MUR	Murata	GCM033R71A472KA03*	EA	Released		Yes			2	C20050, C20073		Capacitor/MLCC/Single
2	E30319300		CAP CE, 10uF, 10%, 10V, X7R, 0805, C0805X106K8RAC3***, KEMET	Kemet	C0805X106K8RAC3***	EA	Released	These components are classified as standard termination although the documentation attached defines this component as soft term. Lear requires soft term components to withstand a 5mm bend test, see SCR0000682	Yes			2	C20059, C20060		Capacitor/MLCC/Single
2	E34343700		CAP CE, 470uF, 10%, 50V, X7R, 0402, UMK105 B7471KVH*, TAIYO	Taiyo Yuden	UMK105 B7471KVH*	EA	Released	For Infotainment/Body Electronics Applications.	Yes			2	C20064, C20065		Capacitor/MLCC/Single
2	E34335000		CAP CE, ST, 10nF, 10%, 50V, X7R, 0603, ST188103K500C*, WALISIN	Walwin Technology	ST188103K500C*	EA	Released		Yes			1	C20066		Capacitor/MLCC/Single
2	E34344900		CAP CE, 2.2uF, 10%, 10V, X7R, 0805, CL21B225KPFVFN*, SAMSUNG	Samsung	CL21B225KPFVFN*	EA	Released		Yes			1	C20070		Capacitor/MLCC/Single
2	E34343300		CAP CE, 470nF, 10%, 25V, X7R, 0603, TMK107 B7474KAH*, TAIYO	Taiyo Yuden	TMK107 B7474KAH*	EA	Released	For Infotainment/Body Electronics Applications.	Yes			12	C20071, C20072, C24013, C41007, C41008, C43001, C43002, C43003, C43007, C43008, C43009, C43010		Capacitor/MLCC/Single
2	E30542300		CAP CE, 1uF, 10%, 50V, X7R, 1206, C1206X105K5REC3***, KEMET	Kemet	C1206X105K5REC3***	EA	Released	ESD Series (25kV) These components are classified as standard termination although the documentation attached defines this component as soft term. Lear requires soft term components to withstand a 5mm bend test, see SCR0000682	Yes			8	C20074, C20075, C30138, C40010, C41004, C41005, C42023, C44027		Capacitor/MLCC/Single
2	E16153600		CAP CE, 47nF, 10%, 16V, X7R, 0402, EMK105B7473KVH*, TAIYO	Taiyo Yuden	EMK105B7473KVH*	EA	Released	For Infotainment/Body Electronics Applications.	Yes			20	C21010, C30003, C30004, C30005, C33001, C33002, C33003, C33004, C33005, C33006, C33007, C33008, C33009, C33010, C33011, C33012, C44002, C44003, C44004, C44012		Capacitor/MLCC/Single
2	E15714400		CAP CE, 2.2uF, 10%, 6.3V, X7R, 0603, JMK107B725KAH*, TAIYO	Taiyo Yuden	JMK107B725KAH*	EA	Released	For Infotainment/Body Electronics Applications.	Yes			3	C21014, C22004, C34080		Capacitor/MLCC/Single
2	E11239700		CAP CE, 10nF, 10%, 10V, X7R, 0201, GCM033R71A103KA03*, MUR	Murata	GCM033R71A103KA03*	EA	Released		Yes			14	C21024, C21073, C21074, C21075, C21078, C21077, C21078, C22016, C22042, C22065, C22066, C22067, C22068, C22069		Capacitor/MLCC/Single
2	E06494700		CAP CE, 10uF, 10%, 6.3V, X7R, 0805, JMK212AB7106KGH*, TAIYO	Taiyo Yuden	JMK212AB7106KGH*	EA	Released	For Infotainment/Body Electronics Applications.	Yes			14	C21048, C34018, C34055, C34058, C34081, C34082, C34084, C34085, C34086, C34087, C34088, C34092, C34094, C34163		Capacitor/MLCC/Single
2	E30315300		CAP CE, 1nF, 10%, 25V, X7R, 0201, GCM033R71E102KA03*, MUR	Murata	GCM033R71E102KA03*	EA	Released		Yes			38	C21051, C21052, C21053, C21054, C21055, C21056, C21058, C21059, C21060, C21061, C21062, C21063, C21064, C21065, C21066, C21067, C21068, C22018, C22020, C22046, C22047, C22048, C22049, C22050, C22051, C22052, C22053, C22054, C22055, C22056, C22057, C22058, C22059, C22060, C34051, C34052, C34114, C34171		Capacitor/MLCC/Single
2	E30696700		CAP CE, 1.8uF, +/-0.25pF, 25V, CGO, 0201, GCM0335C1E1R8CA16*, MUR	Murata	GCM0335C1E1R8CA16*	EA	Released	Actual calculated tolerance is 14%	Yes			2	C21069, C21070		Capacitor/MLCC/Single
2	E30696400		CAP CE, 10uF, 5%, 50V, CGO, 0201, GCM0335C1H100JA16*, MUR	Murata	GCM0335C1H100JA16*	EA	Released		Yes			2	C24014, C24015		Capacitor/MLCC/Single
2	E12844800		RES JP, 0R0hm, 1A, 0603, AC06033***, ORL, YAGEO	Yageo	AC06033***, ORL	EA	Released		Yes			47	C30063, R101001, R10007, R10020, R21009, R21010, R21012, R21020, R21021, R21022, R22002, R22009, R22011, R22012, R22013, R22014, R22015, R30021, R30108, R30110, R31075, R31077, R31077, R31078, R31079, R31080, R31081, R31082, R31083, R31084, R31085, R31086, R31087, R31088, R31089, R31090, R31091, R31092, R31093, R31094, R31095, R31096, R31097, R31098, R31099, R31100, R31101		Resistor/Single
2	E16714200		CAP CE, 1uF, 10%, 16V, X7R, 0603, EMK107B7105KAH*, TAIYO	Taiyo Yuden	EMK107B7105KAH*	EA	Released	For Infotainment/Body Electronics Applications.	Yes			3	C30105, C30107, C30108		Capacitor/MLCC/Single
2	370014572		CAP CE, 1uF, 10%, 16V, X7R, 0603, GCM188R71C105KA64*, MUR	Murata	GCM188R71C105KA64*	EA	Released		Yes			5	C30109, C30110, C30111, C30112, C30114, C30114, C30115, C30116, C30117, C30118, C30119, C30120, C30121, C30122, C30123, C30124, C30125, C30126, C30127, C30128, C30129, C30130, C30131, C30132, C30133, C30134, C30135, C30136, C44039, C44042		Capacitor/MLCC/Single
2	E30543100		CAP CE, 47nF, 5%, 50V, X7R, 0603, C0603C473J5RAC3***, KEMET	Kemet	C0603C473J5RAC3***	EA	Released		Yes			26	C30137, C32013, C34145, C34146		Capacitor/MLCC/Single
2	E32418700		CAP CE, 22nF, 10%, 100V, X7R, 0603, C0603C22K1RAC3***, KEMET	Kemet	C0603C22K1RAC3***	EA	Released		Yes			15	C30130, C30139, C30140, C30150, C42031, C42032, C43124, C43125, C43127, C43133, C43134, C43135, C43136, C44039, C44042		Capacitor/MLCC/Single
2	E14794500		CAP CE, 1uF, 10%, 50V, X7R, 0805, 0805C105K47A, AVX	AVX	0805C105K47A	EA	Released		Yes			2	C30143, C30144		Capacitor/MLCC/Single
2	E02424500		CAP CE, 82nF, 10%, 50V, X7R, 0603, 0603C82K47A, AVX	AVX	0603C82K47A	EA	Released		Yes			2	C30145, C30146		Capacitor/MLCC/Single
2	370003172		CAP CE, 560pF, 5%, 100V, X7R, 0603, C0603C56J1J1RAC3***, KEMET	Kemet	C0603C56J1J1RAC3***	EA	Released		Yes			27	C31017, C31018, C31019, C31020, C31021, C31022, C31023, C31024, C31025, C31026, C31027, C31028, C31029, C31030, C31031, C31032, C31033, C31034, C31035, C31036, C31037, C31038, C31039, C31040, C31041, C31042, C31043		Capacitor/MLCC/Single
2	E34339700		CAP CE, 4.7uF, +/-0.1pF, 100V, CGO, 0603, C0603C479B1GAC3***, KEMET	Kemet	C0603C479B1GAC3***	EA	Released		Yes			4	C32025, C32026, C33045, C33046		Capacitor/MLCC/Single
2	E30319700		CAP CE, ST, 47pF, 5%, 50V, CGO, 0603, C0603X470J5GAC3***, KEMET	Kemet	C0603X470J5GAC3***	EA	Released		Yes			2	C32039, C32040		Capacitor/MLCC/Single
2	E30245400		CAP CE, 470nF, 2%, 100V, CGO, 0603, GCM1885C2A471GA16*, MUR	Murata	GCM1885C2A471GA16*	EA	Released		Yes			2	C32051, C32052		Capacitor/MLCC/Single
2	370009677		CAP CE, 100pF, 5%, 50V, CGO, 0603, GCM1885C1H101JA16*, MUR	Murata	GCM1885C1H101JA16*	EA	Released	NRND (Not Recommended for New Designs). 0603 - 0402 (E03765.200). 370009677 supersedes 370003065 and 370002262.	Yes			4	C33040, C33041, C33042, C33043		Capacitor/MLCC/Single



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PQVL (PARTS & QUALIFIED VENDORS LIST)

BOM Released on: CN-0121348

Auto-generated on: 10/08/2022

Assembly PN: SFENIAF90				Program / Customer Name: BCP21 / BMW		Locations: Vals- ELM									
Level	Part Number	Plant PN	Description	Vendor Name	Vendor PN	Eng-UMG	State	SEM Comments	AEC	Size	Layer	Qty	Reference Designator	Function	Part Type
2	E34435200		RES TK AS.3.01Rohm.1%,200ppm/C.1/2W.1210.CR-10FA*-3R01,Viking	Viking	CR-10FA*-3R01	EA	Released	NRND (Not Recommended for New Designs). Used only for BCP21 (Build to print).	Yes			2	R20041,R20042	Resistor/Single	
2	E34345800		RES TK.49.9Kohm.1%,100ppm/C.1/10W.0603.RMC1/16K4992F** KAMAY	Kamaya	RMC1/16K4992F**	EA	Released		Yes			1	R20044	Resistor/Single	
2	E30668900		RES MP.6mohm.1%,75ppm/C.1/2W.0805.PE0805F**M**0R05L YAGEO	Yageo	PE0805F**M**0R05L	EA	Released		Yes			1	R20047	Resistor/Single	
2	E34341700		RES TK.10.8Kohm.1%,100ppm/C.1/10W.0402.RMC1/16K1052F** KAMAY	Kamaya	RMC1/16K1052F**	EA	Released		Yes			1	R20048	Resistor/Single	
2	E02094700		RES TK.4.7Kohm.1%,100ppm/C.1/8W.0805.RMC1/10K4701F** KAMAY	Kamaya	RMC1/10K4701F**	EA	Released		Yes			1	R20049	Resistor/Single	
2	E34334200		RES TK.8.87Kohm.1%,100ppm/C.1/10W.0402.RMC1/16K8871F** KAMAY	Kamaya	RMC1/16K8871F**	EA	Released		Yes			2	R20050,R20051	Resistor/Single	
2	E34341600		RES TK.110Kohm.1%,100ppm/C.1/10W.0402.RMC1/16K1103F** KAMAY	Kamaya	RMC1/16K1103F**	EA	Released		Yes			1	R20055	Resistor/Single	
2	E34342100		RES TK.1Kohm.5%,200ppm/C.1/10W.0402.RMC1/16S-102J** KAMAY	Kamaya	RMC1/16S-102J**	EA	Released		Yes			7	R21001,R24006,R24018,R24019,R30078,R32005,R40014	Resistor/Single	
2	E34351300		RES TK.51Rohm.1%,200ppm/C.1/20W.0201.AC0201F**51RL YAGEO	Yageo	AC0201F**51RL	EA	Released		Yes			24	R21003,R21006,R21007,R21025,R21026,R21027,R21028,R21029,R21030,R21031,R21032,R21033,R21034,R21035,R21036,R21037,R21038,R21039,R21040,R21041,R21042,R21043,R21044,R21045	Resistor/Single	
2	370009129		RES TK.4.7Kohm.5%,200ppm/C.1/10W.0402.RK73B1ET**47J2.KOA	KOA	RK73B1ET**47J2	EA	Released		Yes			19	R21017,R22007,R43002,R43003,R43005,R43006,R43007,R43012,R43013,R43015,R43016,R43017,R43077,R43082,R43188,R43189,R43190,R43191,R43192	Resistor/Single	
2	E34329500		RES JP.0Rohm.1A.0201.RMC1/20J** KAMAY	Kamaya	RMC1/20J**	EA	Released	NRND (Not Recommended for New Designs). Used only for BCP21 (Build to print).	Yes			5	R21023,R34124,R34125,R34127,R34128	Resistor/Single	
2	E34340300		RES TK.470Rohm.1%,100ppm/C.1/10W.0402.RMC1/16K4700F** KAMAY	Kamaya	RMC1/16K4700F**	EA	Released		Yes			1	R24014	Resistor/Single	
2	E35796000		RES TK.820Rohm.5%,100ppm/C.1/16W.0402.AC0402J**820RL YAGEO	Yageo	AC0402J**820RL	EA	Released	NRND (Not Recommended for New Designs). Used only for BCP21 (Build to print). Do not use double power options with this GPN.	Yes			1	R24016	Resistor/Single	
2	E12844900		RES TK.10Kohm.5%,100ppm/C.1/10W.0603.AC0603J**10KL YAGEO	Yageo	AC0603J**10KL	EA	Released	Do not use double power options with this GPN.	Yes			28	R30007,R30008,R30009,R30010,R30011,R30015,R30016,R30018,R30019,R40007,R40008,R40009,R40010,R40026,R40027,R40028,R40029,R40033,R40034,R40035,R40036,R40037,R40038,R40039,R40040,R40041,R40042,R40043,R40044,R40045,R40046,R40047,R40048,R40049,R40050,R40051,R40052,R40053,R40054,R40055,R40056,R40057,R40058,R40059,R40060,R40061,R40062,R40063,R40064,R40065,R40066,R40067,R40068,R40069,R40070,R40071,R40072,R40073,R40074,R40075,R40076,R40077,R40078,R40079,R40080,R40081,R40082,R40083,R40084,R40085,R40086,R40087,R40088,R40089,R40090,R40091,R40092,R40093,R40094,R40095,R40096,R40097,R40098,R40099,R40100,R40101,R40102,R40103,R40104,R40105,R40106,R40107,R40108,R40109,R40110,R40111,R40112,R40113,R40114,R40115,R40116,R40117,R40118,R40119,R40120,R40121,R40122,R40123,R40124,R40125,R40126,R40127,R40128,R40129,R40130,R40131,R40132,R40133,R40134,R40135,R40136,R40137,R40138,R40139,R40140,R40141,R40142,R40143,R40144,R40145,R40146,R40147,R40148,R40149,R40150,R40151,R40152,R40153,R40154,R40155,R40156,R40157,R40158,R40159,R40160,R40161,R40162,R40163,R40164,R40165,R40166,R40167,R40168,R40169,R40170,R40171,R40172,R40173,R40174,R40175,R40176,R40177,R40178,R40179,R40180,R40181,R40182,R40183,R40184,R40185,R40186,R40187,R40188,R40189,R40190,R40191,R40192,R40193,R40194,R40195,R40196,R40197,R40198,R40199,R40200,R40201,R40202,R40203,R40204,R40205,R40206,R40207,R40208,R40209,R40210,R40211,R40212,R40213,R40214,R40215,R40216,R40217,R40218,R40219,R40220,R40221,R40222,R40223,R40224,R40225,R40226,R40227,R40228,R40229,R40230,R40231,R40232,R40233,R40234,R40235,R40236,R40237,R40238,R40239,R40240,R40241,R40242,R40243,R40244,R40245,R40246,R40247,R40248,R40249,R40250,R40251,R40252,R40253,R40254,R40255,R40256,R40257,R40258,R40259,R40260,R40261,R40262,R40263,R40264,R40265,R40266,R40267,R40268,R40269,R40270,R40271,R40272,R40273,R40274,R40275,R40276,R40277,R40278,R40279,R40280,R40281,R40282,R40283,R40284,R40285,R40286,R40287,R40288,R40289,R40290,R40291,R40292,R40293,R40294,R40295,R40296,R40297,R40298,R40299,R40300,R40301,R40302,R40303,R40304,R40305,R40306,R40307,R40308,R40309,R40310,R40311,R40312,R40313,R40314,R40315,R40316,R40317,R40318,R40319,R40320,R40321,R40322,R40323,R40324,R40325,R40326,R40327,R40328,R40329,R40330,R40331,R40332,R40333,R40334,R40335,R40336,R40337,R40338,R40339,R40340,R40341,R40342,R40343,R40344,R40345,R40346,R40347,R40348,R40349,R40350,R40351,R40352,R40353,R40354,R40355,R40356,R40357,R40358,R40359,R40360,R40361,R40362,R40363,R40364,R40365,R40366,R40367,R40368,R40369,R40370,R40371,R40372,R40373,R40374,R40375,R40376,R40377,R40378,R40379,R40380,R40381,R40382,R40383,R40384,R40385,R40386,R40387,R40388,R40389,R40390,R40391,R40392,R40393,R40394,R40395,R40396,R40397,R40398,R40399,R40400,R40401,R40402,R40403,R40404,R40405,R40406,R40407,R40408,R40409,R40410,R40411,R40412,R40413,R40414,R40415,R40416,R40417,R40418,R40419,R40420,R40421,R40422,R40423,R40424,R40425,R40426,R40427,R40428,R40429,R40430,R40431,R40432,R40433,R40434,R40435,R40436,R40437,R40438,R40439,R40440,R40441,R40442,R40443,R40444,R40445,R40446,R40447,R40448,R40449,R40450,R40451,R40452,R40453,R40454,R40455,R40456,R40457,R40458,R40459,R40460,R40461,R40462,R40463,R40464,R40465,R40466,R40467,R40468,R40469,R40470,R40471,R40472,R40473,R40474,R40475,R40476,R40477,R40478,R40479,R40480,R40481,R40482,R40483,R40484,R40485,R40486,R40487,R40488,R40489,R40490,R40491,R40492,R40493,R40494,R40495,R40496,R40497,R40498,R40499,R40500,R40501,R40502,R40503,R40504,R40505,R40506,R40507,R40508,R40509,R40510,R40511,R40512,R40513,R40514,R40515,R40516,R40517,R40518,R40519,R40520,R40521,R40522,R40523,R40524,R40525,R40526,R40527,R40528,R40529,R40530,R40531,R40532,R40533,R40534,R40535,R40536,R40537,R40538,R40539,R40540,R40541,R40542,R40543,R40544,R40545,R40546,R40547,R40548,R40549,R40550,R40551,R40552,R40553,R40554,R40555,R40556,R40557,R40558,R40559,R40560,R40561,R40562,R40563,R40564,R40565,R40566,R40567,R40568,R40569,R40570,R40571,R40572,R40573,R40574,R40575,R40576,R40577,R40578,R40579,R40580,R40581,R40582,R40583,R40584,R40585,R40586,R40587,R40588,R40589,R40590,R40591,R40592,R40593,R40594,R40595,R40596,R40597,R40598,R40599,R40600,R40601,R40602,R40603,R40604,R40605,R40606,R40607,R40608,R40609,R40610,R40611,R40612,R40613,R40614,R40615,R40616,R40617,R40618,R40619,R40620,R40621,R40622,R40623,R40624,R40625,R40626,R40627,R40628,R40629,R40630,R40631,R40632,R40633,R40634,R40635,R40636,R40637,R40638,R40639,R40640,R40641,R40642,R40643,R40644,R40645,R40646,R40647,R40648,R40649,R40650,R40651,R40652,R40653,R40654,R40655,R40656,R40657,R40658,R40659,R40660,R40661,R40662,R40663,R40664,R40665,R40666,R40667,R40668,R40669,R40670,R40671,R40672,R40673,R40674,R40675,R40676,R40677,R40678,R40679,R40680,R40681,R40682,R40683,R40684,R40685,R40686,R40687,R40688,R40689,R40690,R40691,R40692,R40693,R40694,R40695,R40696,R40697,R40698,R40699,R40700,R40701,R40702,R40703,R40704,R40705,R40706,R40707,R40708,R40709,R40710,R40711,R40712,R40713,R40714,R40715,R40716,R40717,R40718,R40719,R40720,R40721,R40722,R40723,R40724,R40725,R40726,R40727,R40728,R40729,R40730,R40731,R40732,R40733,R40734,R40735,R40736,R40737,R40738,R40739,R40740,R40741,R40742,R40743,R40744,R40745,R40746,R40747,R40748,R40749,R40750,R40751,R40752,R40753,R40754,R40755,R40756,R40757,R40758,R40759,R40760,R40761,R40762,R40763,R40764,R40765,R40766,R40767,R40768,R40769,R40770,R40771,R40772,R40773,R40774,R40775,R40776,R40777,R40778,R40779,R40780,R40781,R40782,R40783,R40784,R40785,R40786,R40787,R40788,R40789,R40790,R40791,R40792,R40793,R40794,R40795,R40796,R40797,R40798,R40799,R40800,R40801,R40802,R40803,R40804,R40805,R40806,R40807,R40808,R40809,R40810,R40811,R40812,R40813,R40814,R40815,R40816,R40817,R40818,R40819,R40820,R40821,R40822,R40823,R40824,R40825,R40826,R40827,R40828,R40829,R40830,R40831,R40832,R40833,R40834,R40835,R40836,R40837,R40838,R40839,R40840,R40841,R40842,R40843,R40844,R40845,R40846,R40847,R40848,R40849,R40850,R40851,R40852,R40853,R40854,R40855,R40856,R40857,R40858,R40859,R40860,R40861,R40862,R40863,R40864,R40865,R40866,R40867,R40868,R40869,R40870,R40871,R40872,R40873,R40874,R40875,R40876,R40877,R40878,R40879,R40880,R40881,R40882,R40883,R40884,R40885,R40886,R40887,R40888,R40889,R40890,R40891,R40892,R40893,R40894,R40895,R40896,R40897,R40898,R40899,R40900,R40901,R40902,R40903,R40904,R40905,R40906,R40907,R40908,R40909,R40910,R40911,R40912,R40913,R40914,R40915,R40916,R40917,R40918,R40919,R40920,R40921,R40922,R40923,R40924,R40925,R40926,R40927,R40928,R40929,R40930,R40931,R40932,R40933,R40934,R40935,R40936,R40937,R40938,R40939,R40940,R40941,R40942,R40943,R40944,R40945,R40946,R40947,R40948,R40949,R40950,R40951,R40952,R40953,R40954,R40955,R40956,R40957,R40958,R40959,R40960,R40961,R40962,R40963,R40964,R40965,R40966,R40967,R40968,R40969,R40970,R40971,R40972,R40973,R40974,R40975,R40976,R40977,R40978,R40979,R40980,R40981,R40982,R40983,R40984,R40985,R40986,R40987,R40988,R40989,R40990,R40991,R40992,R40993,R40994,R40995,R40996,R40997,R40998,R40999,R41000,R41001,R41002,R41003,R41004,R41005,R41006,R41007,R41008,R41009,R41010,R41011,R41012,R41013,R41014,R41015,R41016,R41017,R41018,R41019,R41020,R41021,R41022,R41023,R41024,R41025,R41026,R41027,R41028,R41029,R41030,R41031,R41032,R41033,R41034,R41035,R41036,R41037,R41038,R41039,R41040,R41041,R41042,R41043,R41044,R41045,R41046,R41047,R41048,R41049,R41050,R41051,R41052,R41053,R41054,R41055,R41056,R41057,R41058,R41059,R41060,R41061,R41062,R41063,R41064,R41065,R41066,R41067,R41068,R41069,R41070,R41071,R41072,R41073,R41074,R41075,R41076,R41077,R41078,R41079,R41080,R41081,R41082,R41083,R41084,R41085,R41086,R41087,R41088,R41089,R41090,R41091,R41092,R41093,R41094,R41095,R41096,R41097,R41098,R41099,R41100,R41101,R41102,R41103,R41104,R41105,R41106,R41107,R41108,R41109,R41110,R41111,R41112,R41113,R41114,R41115,R41116,R41117,R41118,R41119,R41120,R41121,R41122,R41123,R41124,R41125,R41126,R41127,R41128,R41129,R41130,R41131,R41132,R41133,R41134,R41135,R41136,R41137,R41138,R41139,R41140,R41141,R41142,R41143,R41144,R41145,R41146,R41147,R41148,R41149,R41150,R41151,R41152,R41153,R41154,R41155,R41156,R41157,R41158,R41159,R41160,R41161,R41162,R41163,R41164,R41165,R41166,R41167,R41168,R41169,R41170,R41171,R41172,R41173,R41174,R41175,R41176,R41177,R41178,R41179,R41180,R41181,R41182,R41183,R41184,R41185,R41186,R41187,R41188,R41189,R41190,R41191,R41192,R41193,R41194,R41195,R41196,R41197,R41198,R41199,R41200,R41201,R41202,R41203,R41204,R41205,R41206,R41207,R41208,R41209,R41210,R41211,R41212,R41213,R41214,R41215,R41216,R41217,R41218,R41219,R41220,R41221,R41222,R41223,R41224,R41225,R41226,R41227,R41228,R41229,R41230,R41231,R41232,R41233,R41234,R41235,R41236,R41237,R41238,R41239,R41240,R41241,R41242,R41243,R41244,R41245,R41246,R41247,R41248,R41249,R41250,R41251,R41252,R41253,R41254,R41255,R41256,R41257,R41258,R41259,R41260,R41261,R41262,R41263,R41264,R41265,R41266,R41267,R41268,R41269,R41270,R41271,R41272,R41273,R41274,R41275,R41276,R41277,R41278,R41279,R41280,R41281,R41282,R41283,R41284,R41285,R41286,R41287,R41288,R41289,R41290,R41291,R41292,R41293,R41294,R41295,R4		



PQVL (PARTS & QUALIFIED VENDORS LIST)

BOM Released on: CN-0121348
Auto-generated on: 10/08/2022

Level	Part Number	Plant PN	Description	Vendor Name	Vendor PN	Eng. UCM	State	SEM Comments	AEC	Size	Layer	Qty	Reference Designator	Function	Part Type
		318	Assembly PN: SPENIAF90 Description: SJB.002.2803.1470.D0.ZB BCP-03 V10.M0 (see Jacinto) MY23	Program / Customer Name: BCP21 / BMW	Locations: Valb - ELM										
2	E34334800		RES TK.HS.1Kohm.1%,100ppm/C.1/2W.0805.RPCH20K1001F** KAMAY	Kamaya	RPCH20K1001F**	EA	Released	NRND (Not Recommended for New Designs). Used only for BCP21 (Build to print).	Yes			12	R34077.R34078.R34079.R34080.R34081.R34082.R34083.R34084.R34085.R34086.R34087.R34088	Resistor/Single	
2	E34342000		RES TK.1.5kohm.5%,200ppm/C.1/10W.0402.RMC1/16S-153J** KAMAY	Kamaya	RMC1/16S-153J**	EA	Released		Yes			4	R34094.R34095.R43193.R43194	Resistor/Single	
2	E01733800		RES TK.43Kohm.0.5%,50ppm/C.1/10W.0603.RN73H1JT***430D50.KOA	KOA	RN73H1JT***430D50	EA	Released		Yes			1	R4001.2	Resistor/Single	
2	E34341100		RES TK.22Kohm.1%,100ppm/C.1/10W.0402.RMC1/16SK2202F** KAMAY	Kamaya	RMC1/16SK2202F**	EA	Released		Yes			4	R40015.R44015.R44020.R44021	Resistor/Single	
2	E30246000		RES TN.10Kohm.0.5%,50ppm/C.1/16W.0402.RN73H1ET***100ZD50.KOA	KOA	RN73H1ET***100ZD50	EA	Released		Yes			8	R40017.R42021.R42022.R43164.R43165.R44033.R44034.R44035	Resistor/Single	
2	E02095000		RES TK.100Kohm.1%,100ppm/C.1/10W.0603.RMC1/16K1003F** KAMAY	Kamaya	RMC1/16K1003F**	EA	Released		Yes			8	R40028.R40029.R40030.R40036.R41006.R41007.R44023.R44024	Resistor/Single	
2	E30246100		RES TN.86Kohm.0.5%,50ppm/C.1/10W.0603.RN73H1JT***86SD50.KOA	KOA	RN73H1JT***86SD50	EA	Released		Yes			5	R40031.R42019.R42020.R42037.R42038	Resistor/Single	
2	E34359700		RES TK.6Kohm.1%,100ppm/C.1/16W.0402.AC0402F**80K4L YAGEO	Yageo	AC0402F**80K4L	EA	Released		Yes			5	R40032.R40033.R42029.R42030.R44029	Resistor/Single	
2	E30315500		RES TK.CS.220Rohm.5%,100ppm/C.1W.1020.WK73R2HT***221J.KOA	KOA	WK73R2HT***221J	EA	Released		Yes			1	R41002	Resistor/Single	
2	E30543000		RES TK.CS.20Mohm.5%,800ppm/C.1W.1020.WK73S2HT***20LJ.KOA	KOA	WK73S2HT***20LJ	EA	Released		Yes			1	R41003	Resistor/Single	
2	E34351100		RES TN.AS.1.3kohm.0.1%,25ppm/C.1/10W.0603.AT0603B***1K3L YAGEO	Yageo	AT0603B***1K3L	EA	Released		Yes			1	R41004	Resistor/Single	
2	E30315700		RES TK.CS.7.87Rohm.1%,100ppm/C.1W.1020.WK73S2HT***78R7F.KOA	KOA	WK73S2HT***78R7F	EA	Released		Yes			11	R41008.R41015.R41016.R41017.R41018.R41019.R41020.R41021.R41022.R41031.R41032	Resistor/Single	
2	E30246300		RES TN.374Rohm.0.5%,50ppm/C.1/10W.0603.RN73H1JT***374D50.KOA	KOA	RN73H1JT***374D50	EA	Released		Yes			2	R42014.R44010	Resistor/Single	
2	E34341900		RES TK.15Kohm.5%,200ppm/C.1/10W.0402.RMC1/16S-153J** KAMAY	Kamaya	RMC1/16S-153J**	EA	Released		Yes			15	R42031.R42032.R43075.R43076.R43078.R43079.R43083.R43084.R43085.R43086.R43087.R43089.R43090.R44029.R44030	Resistor/Single	
2	E34345900		RES TK.4.7Kohm.1%,100ppm/C.1/10W.0603.RMC1/16K4701F** KAMAY	Kamaya	RMC1/16K4701F**	EA	Released		Yes			8	R42033.R43157.R43159.R43160.R43161.R43162.R44031.R44032	Resistor/Single	
2	E16407100		RES TN.4.7Kohm.0.5%,50ppm/C.1/16W.0402.RN73H1ET***4701D50.KOA	KOA	RN73H1ET***4701D50	EA	Released		Yes			1	R43004	Resistor/Single	
2	E30246400		RES TN.453Rohm.0.5%,50ppm/C.1.18W.0805.RN73H2AT***453D50.KOA	KOA	RN73H2AT***453D50	EA	Released		Yes			3	R42035.R44036.R44037	Resistor/Single	
2	E35795700		RES TK.1.2Kohm.5%,100ppm/C.1/16W.0402.AC0402J**1K2L YAGEO	Yageo	AC0402J**1K2L	EA	Released	NRND (Not Recommended for New Designs). Used only for BCP21 (Build to print). Do not use double power options with this GPN	Yes			7	R43004.R43008.R43009.R43014.R43018.R43019.R43020	Resistor/Single	
2	E34341500		RES TK.1.8kohm.1%,100ppm/C.1/10W.0402.RMC1/16SK1801F** KAMAY	Kamaya	RMC1/16SK1801F**	EA	Released		Yes			9	R43011.R43038.R43080.R43167.R43168.R43169.R43170.R43171.R43172	Resistor/Single	
2	E34472300		RES TK.510Rohm.1%,100ppm/C.1/4W.1206.AC1206F**510RL YAGEO	Yageo	AC1206F**510RL	EA	Released	Do not use double power options with this GPN.	Yes			7	R43068.R43069.R43070.R43071.R43072.R43073.R43074	Resistor/Single	
2	E30246500		RES TN.1.13Kohm.0.5%,50ppm/C.1/10W.0603.RN73H1JT***1131D50.KOA	KOA	RN73H1JT***1131D50	EA	Released		Yes			7	R43092.R43093.R43094.R43095.R43096.R43097.R43174	Resistor/Single	
2	370004418		RES TK.47Kohm.5%,200ppm/C.1/10W.0603.RK73B1JT***47J3.KOA	KOA	RK73B1JT***47J3	EA	Released	370004418 supersedes 370013512	Yes			35	R43098.R43099.R43100.R43101.R43102.R43103.R43104.R43105.R43106.R43107.R43108.R43109.R43110.R43111.R43112.R43113.R43114.R43115.R43116.R43117.R43118.R43119.R43120.R43121.R43122.R43123.R43124.R43125.R43126.R43127.R43128.R43129.R43130.R43131.R43134	Resistor/Single	
2	370011067		RES TK.47Rohm.5%,200ppm/C.1/10W.0402.RK73B1ET***47J01.KOA	KOA	RK73B1ET***47J01	EA	Released		Yes			6	R43146.R43148.R43149.R43150.R43152.R43154.074	Resistor/Single	
2	E30246600		RES TN.849Rohm.0.5%,50ppm/C.1/10W.0603.RN73H1JT***849D50.KOA	KOA	RN73H1JT***849D50	EA	Released		Yes			2	R43153.R43154	Resistor/Single	
2	E30247300		RES TN.805Rohm.0.5%,50ppm/C.1/10W.0603.RN73H1JT***806D50.KOA	KOA	RN73H1JT***806D50	EA	Released		Yes			2	R43155.R43156	Resistor/Single	
2	370011179		RES TK.15Kohm.1%,100ppm/C.1/10W.0402.RK73H1ET***1502F.KOA	KOA	RK73H1ET***1502F	EA	Released		Yes			1	R43166	Resistor/Single	
2	E30241400		RES TN.86Kohm.0.5%,50ppm/C.1/10W.0603.RN73H1JT***86SD50.KOA	KOA	RN73H1JT***86SD50	EA	Released		Yes			1	R43175	Resistor/Single	
2	E02094300		RES JP.8Rohm.2A.0805.RMC1/10J3F** KAMAY	Kamaya	RMC1/10J3F**	EA	Released		Yes			1	R43176	Resistor/Single	
2	E30247500		RES TN.1.33Kohm.0.5%,50ppm/C.1/10W.0603.RN73H1JT***1331D50.KOA	KOA	RN73H1JT***1331D50	EA	Released		Yes			1	R43177	Resistor/Single	
2	E30287500		RES TK.43Kohm.1%,100ppm/C.1/16W.0402.AC0402F**43KL YAGEO	Yageo	AC0402F**43KL	EA	Released	Do not use double power options with this GPN	Yes			1	R43179.R43180.R43181	Resistor/Single	
2	E34346600		RES TK.15Rohm.5%,200ppm/C.1.18W.0805.RMC1/10J35J** KAMAY	Kamaya	RMC1/10J35J**	EA	Released		Yes			1	R43182.R43183	Resistor/Single	
2	E01713900		RES TK.22Rohm.1%,100ppm/C.1.18W.0603.RK73H1JT***22R0F.KOA	KOA	RK73H1JT***22R0F	EA	Released	E01713900 supersedes 370013779	Yes			1	R43185	Resistor/Single	
2	E34340500		RES TK.2.7Kohm.1%,100ppm/C.1/10W.0402.RMC1/16SK2701F** KAMAY	Kamaya	RMC1/16SK2701F**	EA	Released		Yes			2	R43186.R43187	Resistor/Single	
2	E34343300		RES TK.13Kohm.1%,100ppm/C.1/10W.0603.RMC1/16K1302F** KAMAY	Kamaya	RMC1/16K1302F**	EA	Released		Yes			2	R4401.2.R4401.3	Resistor/Single	
2	E08038400		RES MP.5Mohm.1%,100ppm/C.1W.0805.TL92AT**5L00F.KOA	KOA	TL92AT**5L00F	EA	Released		Yes			2	R44049.R44050	Resistor/Single	
2	E30246700		RES TN.1.18Kohm.0.5%,50ppm/C.1/16W.0402.RN73H1ET***1181D50.KOA	KOA	RN73H1ET***1181D50	EA	Released		Yes			2	R44051	Resistor/Single	
2	E34423400		RES TK.20.5Kohm.1%,100ppm/C.1/10W.0603.AC0603F**20K3L YAGEO	Yageo	AC0603F**20K3L	EA	Released	Do not use double power options with this GPN.	Yes			1	R44108	Resistor/Single	
2	E28153500		RES ARR.4x.10Kohm.5%,200ppm/C.1/16W.0612 (4x0603).YC164-J*-**10KL YAGEO	Yageo	YC164-J*-**10KL	EA	Released	NRND (Not Recommended for New Designs). Use AF Array Series. Used only for BCP21 (Build to Print).	Yes			10	RP11004.RP11007.RP30001.RP30002.RP30003.RP30005.RP40001.RP44001.RP44002.RP44003	Resistor/Array/Single Resistance Value	
2	E34435100		RES ARR.4x.10Kohm.5%,200ppm/C.1/16W.0402.CN-42JA**--10K,Viking	Viking	CN-42JA**--10K	EA	Released	NRND (Not Recommended for New Design) Use only for BCP21 (Build to print).	Yes			19	RP21001.RP24001.RP30004.RP30006.RP30007.RP42001.RP42002.RP42003.RP42004.RP42006.RP42007.RP42008.RP42009.RP42010.RP42011.RP44004.RP44005.RP44007.RP44010	Resistor/Array/Single Resistance Value	
2	E30382000		RES ARR.4x.47Rohm.5%,200ppm/C.1/16W.0612 (4x0603).YC164-J*-**47RL YAGEO	Yageo	YC164-J*-**47RL	EA	Released	NRND (Not Recommended for New Designs). Use AF Array Series. Used only for BCP21 (Build to Print).	Yes			4	RP30008.RP30009.RP30010.RP30011	Resistor/Array/Single Resistance Value	
2	E30641400		RES ARR.4x.470Rohm.5%,200ppm/C.1/16W.0612 (4x0603).YC164-J*-**470RL YAGEO	Yageo	YC164-J*-**470RL	EA	Released	NRND (Not Recommended for New Designs). Use AF Array Series. Used only for BCP21 (Build to print).	Yes			1	RP30012	Resistor/Array/Single Resistance Value	
2	E34434900		RES ARR.4x.15Kohm.5%,200ppm/C.1/16W.0402.CN-42JA**--15K,Viking	Viking	CN-42JA**--15K	EA	Released	NRND (Not Recommended for New Designs). Used only for BCP21 (Build to print).	Yes			9	RP42005.RP43002.RP43004.RP43005.RP43006.RP43007.RP43008.RP44008.RP44009	Resistor/Array/Single Resistance Value	
2	E34435000		RES ARR.4x.1.5Kohm.5%,200ppm/C.1/16W.0402.CN-42JA**--1K5,Viking	Viking	CN-42JA**--1K5	EA	Released	NRND (Not Recommended for New Designs). Used only for BCP21 (Build to print).	Yes			1	RP43001	Resistor/Array/Single Resistance Value	
2	E21556400		RES ARR.4x.4.7Kohm.5%,200ppm/C.1/16W.0408 (4x0402).AF124-J*-**4K7L YAGEO	Yageo	AF124-J*-**4K7L	EA	Released		Yes			1	RP44006	Resistor/Array/Single Resistance Value	
2	E11409650		IC.ANA.FETDrv.LM7400QDBV*O1.S0723-6 (ISC74.TSOP-6).TI	Texas Instruments	LM7400QDBV*O1	EA	Released		Yes			2	U20001.U20002	IC/Analog and Mixed Signal	
2	E30998000		SMPs.Buck.LM5362QDRN*O1.VOFN-22.TI	Texas Instruments	LM5362QDRN*O1	EA	Released		Yes			1	U20003	Switched Mode Power Supply	
2	E30379300		SMPs.Buck.SNA10001ORNL*-VS.VOFN-22.TI	Texas Instruments	SNA10001ORNL*-VS	EA	Released		Yes			1	U20005	Switched Mode Power Supply	
2	E30338700		IC.LOG.Buf-Drv.SN74LVC1G07QDBV*O1.S0723-5.TI	Texas Instruments	SN74LVC1G07QDBV*O1	EA	Released		Yes			2	U20006.U20010	IC/Logic	
2	E30992300		IC.ANA.FETDrv.LM7400QDPWP*O1.HTSOP-16.TI	Texas Instruments	LM7400QDPWP*O1	EA	Released		Yes			1	U20007	IC/Analog and Mixed Signal	
2	E30348800		SMPs.Buck.TPS628112QOWRWY*O1.VOFN-9.TI	Texas Instruments	TPS628112QOWRWY*O1	EA	Released		Yes			1	U20008	Switched Mode Power Supply	
2	E30956500		SMPs.Buck.TPS628122QOWRWY*O1.VOFN-9.TI	Texas Instruments	TPS628122QOWRWY*O1	EA	Released		Yes			1	U20009	Switched Mode Power Supply	
2	E27000400		IC.VREF.3.3V.0.05%.REF3433QDBV*O1.S0723-6 (ISC74.TSOP-6).TI	Texas Instruments	REF3433QDBV*O1	EA	Released		Yes			1	U20011	IC/Voltage Reference	
2	E10013200		SMPs.Buck.LM1502QRLMPC*O1.VOFN-9.TI	Texas Instruments	LM1502QRLMPC*O1	EA	Released		Yes			1	U20012	Switched Mode Power Supply	
2	E14194600		TR.PMOS.DMP4013L.FGO**1.0V.40V.PowerDI333-8.DIAC	Diodes Incorporated	DMP4013L.FGO**	EA	Released		Yes			1	U20014	Transistor/FET/MOSFET	
2	E30758600		MP.32b.CHR10M.SPC58NH92CSHM0*.3xCPU.Flash.10MByte.FC92BAQ.Cut 2.0.105C.LFBGA-386.ST	STMicroelectronics	SPCS58NH92CSHM0*	EA	Released	NRND (Not Recommended for New Designs). New PN due to SCRW 263632 (PCH12776).E30758600 (SPCS58NH92CSHM0*(CROLES) -> E30758601 (SPCS58NH92CSHM0X) (CROLES+ SAMSUNG).	Yes			1	U21001	Microcontroller/32 bit MCU	
2	E30647100		IC.LOG.Mux.TMX131308QOB*O1.VOFN-EP-16.TI	Texas Instruments	TMX131308QOB*O1	EA	Released		Yes			5	U21002.U21003.U21004.U21005.U21006	IC/Logic	
2	E30286800		MP.32b.ST33C7168A02P.AES.Flash.768KByte.ST33G1M2A0 FW 1.3.2.Cut F.105C.TSSOP-20.CUSTOM.ST	STMicroelectronics	ST33G768A02FAE9	EA	Released	PREL (Preliminary Documentation)	N/A			1	U21007	Microcontroller/32 bit MCU	
2	E06895500		MEM.EEPROM.SPI.2Mbit.M95M02.DWMN2*PIK.SQ50NC-8.ST	STMicroelectronics	M95M02.DWMN2*PIK	EA	Released		Yes			1	U21008	Memory/EEPROM	
2	E13599800		MEM.FLASH.756Mbit.ST.1K1.256G30BH800P.FBGA-24.FX	Infineon	ST1K1256G30BH800P	EA	Released		Yes			1	U21010	Memory/FLASH	
2	E30758700		MP.32b.CHR10M.SPC58NH92CSHM0*.3xCPU.Flash.10MByte.FC92BAQ.Cut 2.0.105C.LFBGA-302.ST	STMicroelectronics	SPCS58NH92CSHM0*	EA	Released	NRND (Not Recommended for New Designs). New PN due to SCRW 263632 (PCH12776).E30758700 (SPCS58NH92CSHM0*(CROLES) -> E30758701 (SPCS58NH92CSHM0X) (CROLES+ SAMSUNG).	Yes			1	U22001	Microcontroller/32 bit MCU	
2	E30382100		MEM.DRAM.64Mbit.W95648MBY5AK.FTBGA-24.WN8ND	Winbond	W95648MBY5AK	EA	Released		Yes			1	U22002	Memory/RAM	
2	E08113200		VREG.3.3V.150mA.TPS7B6933QDCYRQ1.S01223 (ISC78).TI	Texas Instruments	TPS7B6933QDCYRQ1	EA	Released		Yes			1	U24001	Linear Voltage Regulator/Fixed Voltage	



PQVL (PARTS & QUALIFIED VENDORS LIST)

BOM Released on: CN-0121348
Auto-generated on: 10/08/2022

Level	Part Number	Plant PN	Description	Vendor Name	Vendor PN	Eng. UOM	State	SEM Comments	AEC	Size	Layer	Qty	Reference Designator	Function	Part Type
		318	Assembly PN: SPENIAF90 Description: SJB-020-2803-470-00-ZB BCP-Q1 V10 MAX (see Jacinto) MY23		Program / Customer Name: BCP21 / BMW Locations: Vals - ELM										
2	E30282000		MP 32b, S32K, FB32K116BFT0MF*, Flash, 128KByte, 0N96V, Cut 1.0, 125C, QFN-32, CUSTOM NXP	NXP	FB32K116BFT0MF*	EA	Released	Custom PN specific for Program = BCP21.	Yes			1	U24002		Microcontroller/32 bit MCU
2	E03134600		VREG TRK, 50mA, TPS7842500DBVRQ1*, SOT23-5, TI	Texas Instruments	TPS7842500DBVRQ1*	EA	Released		Yes			3	U30001, U30002, U30003		Linear Voltage Regulator/Tracker
2	E05569600		IC ANA_Hall Sensor, MAX1356B8GTE/V+*, TQFN-EP-16, MAXIM	Maxim	MAX1356B8GTE/V+*	EA	Released		Yes			1	U30004		IC/Analog and Mixed Signal
2	E05553801		IC SWMONITOR, 22x, MC33978AES**, QFN-32, NXP	NXP	MC33978AES**	EA	Released	Part Revision for new Silicon - E05553800 (Rev 2.1) -> E05553801 (Rev 2.2). See changes in D00426909	Yes			1	U30005		IC/Switch Monitor
2	E30349000		IC VREF, 0.5%, LM4041QCIM3-ADJ, NO, SOT23, TI	Texas Instruments	LM4041QCIM3-ADJ, NO	EA	Released	PREL (Preliminary Documentation). This part shows the status in datasheet. PREVIEW. Device has been announced but is not in production. Samples may or may not be available.	N/A			1	U30006		IC/Voltage Reference
2	E30310700		IC LIN, SJA1124BHGI0*, 4x, DHVQFN-24, NXP	NXP	SJA1124BHGI0*	EA	Released	Master Pull-up Resistor = 900Rohm - 1010Rohm (+/-5.5%)	Yes			1	U31002		Network/LIN Interface
2	E34204500		IC LIN, TLN1024ARGY*Q1, VQFN-24, TI	Texas Instruments	TLN1024ARGY*Q1	EA	Released		Yes			6	U31003, U31004, U31005, U31006, U31007, U31008		Network/LIN Interface
2	E31076700		IC CAN HSLPCAN, TCAN1046AVDMTRQ1, 2x, HYSON-14, TI	Texas Instruments	TCAN1046AVDMTRQ1	EA	Released		Yes			6	U32001, U32002, U32003, U32004, U32005, U32006		Network/CAN Interface
2	E11341200		IC FLEXRAY, TJA1085GHN02, 4x, HVQFN-EP-44, NXP	NXP	TJA1085GHN02	EA	Released		Yes			2	U33001, U33002		Network/FlexRay Interface
2	E30316000		IC ETHERNET Switch, BCM89541B1BFBG*, 4x, FBGA-196, BROAD	Broadcom	BCM89541B1BFBG*	EA	Released		Yes			1	U34001		Network/EtherNet Interface
2	E22483800		IC ETHERNET PHY, DP83TC811SWRND*Q1, VQFN-EP-36, TI	Texas Instruments	DP83TC811SWRND*Q1	EA	Released	NRND (Not Recommended for New Designs). New PN due to SCR9265649 (PCN: 2021020201.2) -> E22483800 (DP83TC811SWRND*Q1)(DMOS6) > E22483801 (DMOS6 + UMCF12A).	Yes			2	U34002, U34003		Network/EtherNet Interface
2	E30696000		IC ANA_FETDRV, LM74500QDDP*Q1, SOT23-8, TI	Texas Instruments	LM74500QDDP*Q1	EA	Released		Yes			3	U40001, U42001, U44001		IC/Analog and Mixed Signal
2	E01405500		IC ANA_FETDRV, LM55500Q1MM*, NQPB, MSOP-10, TI	Texas Instruments	LM55500Q1MM*/NQPB	EA	Released		Yes			1	U40002		IC/Analog and Mixed Signal
2	E08858100		SFET HS, M07, VN7003AH**, 1x, 3.5mohm, OctaPAK8, ST	STMicroelectronics	VN7003AH**	EA	Released	ES: W20, QS: W24, SOP: W28. Superior current sensing precision at low currents - LV124 Deep	Yes			5	U40003, U43001, U43002, U44002, U44003		Smart Driver/High Current High Side FET
2	E24783301		IC RF, ImmoTransp, ATA5293-GJQW-V03, QFN-EP-48, MCHP	Microchip	ATA5293-GJQW-V03	EA	Released	PREL (Preliminary Documentation)	N/A			1	U41001		IC/Wireless RF or LF
2	E09062800		TR, NMOS, DMN313SLVTO*, 2x, 60mohm, 30V, SOT23-6 (SC74, TSOP-6), DINC	Diodes Incorporated	DMN313SLVTO**	EA	Released		Yes			1	U41002		Transistor/FET/MOSFET
2	E02934702		SFET HS, M07, VND7020AJ**, 2x, 22mohm, PSSO-16, ST	STMicroelectronics	VND7020AJ**	EA	Released	New Revision due to SCR9204098 (PCN 9987): E02934701 (VND7020AJ**) (CT 8" & AMK 8") -> E02934702 (CT 8" & AMK 8")	Yes			1	U42002		Smart Driver/High Current High Side FET
2	E04926500		IC MTR DRV, VN7040AJ**, PSSO-36, ST	STMicroelectronics	VN7040AJ**	EA	Released		Yes			5	U42003, U42004, U42005, U42006, U42009		IC/Driver/Motor
2	E06806600		SFET HS, SPOC+2, BTS17033-6ESA, 6x, 55/19/19/55/55mohm, TSDSO-EP-24, IFX	Infineon	BTS17033-6ESA	EA	Released	New revision due to SCR9246715 (PD_277_19): E06806600E05728301E07441500E07441500 (BTS56033-LBA/LBB) -> E06806600 (BTS17033-6ESA).	Yes			4	U43003, U43004, U43005, U43006		Smart Driver/High Current High Side FET
2	E06806300		SFET HS, SPOC+2, BTS72220-4ESE, 4x, 4.5/11/11/4.5mohm, TSDSO-EP-24, IFX	Infineon	BTS72220-4ESE	EA	Released		Yes			2	U43007, U43008		Smart Driver/High Current High Side FET
2	E02830502		SFET HS, M07, VND7140AJ**, 2x, 140mohm, PSSO-16, ST	STMicroelectronics	VND7140AJ**	EA	Released	New Revision due to SCR9223228 (PCN 10491): E02918402 (VN7016AJ**) (CT 8" & AMK 8") -> E02918403 (VN7016AJ**) (CT 8" & AMK 8")	Yes			1	U43009		Smart Driver/High Current High Side FET
2	E02918403		SFET HS, M07, VN7016AJEP**, 1x, 16mohm, PSSO-16, ST	STMicroelectronics	VN7016AJEP**	EA	Released	New Revision due to SCR9223228 (PCN 10491): E02918402 (VN7016AJ**) (CT 8" & AMK 8") -> E02918403 (VN7016AJEP**) (CT 8" & AMK 8")	Yes			2	U43011, U43018		Smart Driver/High Current High Side FET
2	E11857200		SFET HS, M07E, VN7E010AJ**, 1x, 11.2mohm, PSSO-16, ST	STMicroelectronics	VN7E010AJ**	EA	Released		Yes			3	U43012, U44008, U44009		Smart Driver/High Current High Side FET
2	E06806400		SFET HS, SPOC+2, BTS17040-4ESA, 4x, 19mohm, TSDSO-EP-24, IFX	Infineon	BTS17040-4ESA	EA	Released	SPOC+ - BTS540-40L 8x follower device. Target Load 4x27W New revision due to SCR9246715 (PD_277_19): E05728300E05728301E07441500E07441501 (BTS54040-LBA/LBB)(Vilfrach & Kulmi) -> E06806400 (BTS17040-4ESA)	Yes			1	U43013		Smart Driver/High Current High Side FET
2	E03368802		SFET HS, M07, VN7050AJ**, 1x, 50mohm, PSSO-16, ST	STMicroelectronics	VN7050AJ**	EA	Released	New Revision due to SCR9223171 (PCN 10615): E03368801 (VN7050AJ**) (CT8") -> E03368802 (CT8" & AMK8")	Yes			1	U43015		Smart Driver/High Current High Side FET
2	E02934302		SFET HS, M07, VND7050AJ**, 2x, 50mohm, PSSO-16, ST	STMicroelectronics	VND7050AJ**	EA	Released	New Revision due to SCR9204098 (PCN 9987): E02934301 (VND7050AJ**) (CT 8") -> E02934302 (CT 8" & AMK 8")	Yes			1	U43016		Smart Driver/High Current High Side FET
2	E30348400		IC ANA_OpAmp, TLV8001ODCK*Q1, SOT233 (SC70), TI	Texas Instruments	TLV8001ODCK*Q1	EA	Released		Yes			1	U44004		IC/Analog and Mixed Signal
2	E30314300		IC MTR DRV, BTH9970LV, TO-L-L, 7, IFX	Infineon	BTH9970LV	EA	Released		Yes			2	U44005, U44006		IC/Driver/Motor
2	E10024500		SFET HS, PROFET+2, BTS7002-1EPP, 1x, 2.4mohm, TSDSO-EP-14, IFX	Infineon	BTS7002-1EPP	EA	Released		Yes			1	U44007		Smart Driver/High Current High Side FET
2	E04926300		SFET LS, OMN3, VNL5030J**, E, 1x, 30mohm, PSSO-12, ST	STMicroelectronics	VNL5030J**-E	EA	Released	NRND (Not Recommended for New Designs). New PN due to SCR9257323 (PCN 12391): E04926300 (VNL5030J**) -> E04926301 (AMK6) & E04926302 (AMK6 + SC91)	Yes			3	U44010, U44011, U44013		Smart Driver/High Current Low Side FET
2	E03617902		SFET HS, M07, VN7007AH**, 1x, 7mohm, OctaPAK8, ST	STMicroelectronics	VN7007AH**	EA	Released	New PN due to SCR9210026 (PCN10254): E03617901(VN7007AH**) (CT6") -> E03617902 (AMK6).	Yes			1	U44014		Smart Driver/High Current High Side FET
2	E30348500		NTC, 10kOhm, 5% 0.1RW, 0603, B97392V9103J060, TDK-EPC	TDK-EPC	B97392V9103J060	EA	Released		Yes			1	V830001		Resistor - Non Linear/NTC
2	E30315800		RSN CRY, 32.768kHz, F-20+/-20ppm, 0pF, NX32155A-32.768K/EX500A-MU00108, 3.2x1.5-2 CUSTOM, NDK	NDK	NX32155A-32.768K/EX500A-MU00108	EA	Released	PREL (Preliminary Documentation)	Yes			1	X21001		Resonator/Crystal
2	E35797000		RSN CRY, 40MHz, F-10+/-10ppm, T-50+/-50ppm, 12pF, FL4000309Q, 3.2x2.5-4 STD, DINC	Diodes Incorporated	FL4000309Q	EA	Released	NRND (Not Recommended for New Designs). Used only for BCP21 (Build to print). Aging: +/-30ppm Max for first year	Yes			3	Y21001, Y22001, Y24001		Resonator/Crystal
2	E35797300		RSN CRY, 25MHz, F-10+/-10ppm, T-50+/-50ppm, 12pF, FL2500589Q, 3.2x2.5-4 STD, DINC	Diodes Incorporated	FL2500589Q	EA	Released	NRND (Not Recommended for New Designs). Used only for BCP21 (Build to print). Aging: +/-30ppm Max for first year	Yes			3	Y34001, Y34002, Y34003		Resonator/Crystal
2	E30314400		RSN CRY, 24MHz, F-10+/-10ppm, T-50+/-50ppm, 12pF, FA2016AAX1E000381A09100, 2.0x1.5 CUSTOM, EPSON	Epson	FA2016AAX1E000381A09100	EA	Released	PREL (Preliminary Documentation)	Yes			1	Y41001		Resonator/Crystal
2	E31201201		PCB, BCP21 D0, BL, FR4, 18/35/35/35/35/35/18, Visteon	Visteon	VPNKAF-14A608-GA	EA	Released		N/A			1	PCB1		PCB
2	E31196500		SOLDER PASTE, PB-FREE, Indium8, 9HFA, SAC305, INDIUM8, 9HFA	Indium Corporation	INDIUM8, 9HFA	g	Released	SAC305	N/A			8	MISC1		Raw Material/Solder Paste
1	E30321900		BOX LABEL, WHT, BLK, BLU	Visteon	VPMKAF-19G526-AC	EA	Released		N/A			1	MISC23		Electrical-Electronic Box Component/Label
1	E09420100		SILICONE SEALANT, HumiSeal® 1R32A-2 Acrylic Conformal Coating, 1R32A-2	HumiSeal	1R32A-2	ml	Released	HumiSeal® 1R32A-2 is a fast drying, single component acrylic coating, formulated for improved adhesion to typical substrates while providing excellent moisture and environmental protection for printed circuit assemblies. HumiSeal® 1R32A-2 fluoresces under UV light for ease of inspection and is easily repaired. HumiSeal® 1R32A-2 is in full compliance with IPC-CC-830 and the RoHS Directive 2002/95/EC, and is recognized under UL File Number E109598.	N/A			34	MISC24		Raw Material/Sealant - Silicone
1	E09423300		SLVNT, HumiSeal® Standard Solvent Based Thinners, THINNER-505	HumiSeal	THINNER-505	ml	Released	When necessary, the viscosity of HumiSeal® coatings may be adjusted for application purposes, using a compatible thinner from the table below. HumiSeal® Thinners are blends of solvents, formulated to maintain the original system balance when added to the correct coating type. These HumiSeal® Thinners are in full compliance with the RoHS Directive 2002/95/EC.	N/A			12	MISC25		Raw Material/Solvent
1	E31269500		SEALANT, UNDERFILLING, LOCTITE ECCOBOND E 1216M 50CC, LOCTITE E 1216M 30CC	Henkel	LOCTITE E 1216M 30CC	ml	Released		N/A			0,265	MISC26		Raw Material/Adhesive/Sealant