



### Bill of Materials for the AR0132AT6B00XPEAH3-GEVB Evaluation Board

Item	Quantity	Part number	Description	MFG	Comment
1	1	Sunex DSL945D	Sunex with IR 670nm built-in	Sunex	
2	1	Sunex DSL215B	Sunex with IR 690nm built-in	Sunex	
3	1	APAA3000	Lens mount, MILE2 BASE, DEMO TO C-MOUNT	Machine shop	Can use local machine shop
4	1	APAA0020	Lens adapter, C-Mount to M12X0.5	Machine shop	Can use local machine shop
5	1	APAA2006	Lens extension 2.5mm	Machine shop	Can use local machine shop
6	2	159752	O-ring, 6-023.00-01.00 N70 NBR	Eriks West	
7	1	APAF0004	Lens Locking nut, M12XP0.5	I Core Technologies	
8	4	91772A144	Screw	McMaster	
C1	1	"X" cap, box type	100nF, X2		LS = 10 mm
C7	1	Ceramic cap, monolythic	10 nF, 50V	10%	805
C4, C6	2	Ceramic cap, monolythic	100nF, 50V	10%	805
C2	1	Electrolytic cap	10uF, 400 or 450V	10%	LS=5mm, 12 x 15.5mm
C5, C8	2	Electrolytic cap	22uF, 50Vdc	0.1	LS=2.5mm, D=5mm
C3	1	Electrolytic cap	470uF, 25V	0.1	7.5x15mm, LS=3.5mm
R2	1	Resistor, 1/8W SMD	4.7 ohms	0.05	SMD 805
R3	1	Resistor, 1/8W SMD	470 ohms	0.05	SMD 805
R4	1	Resistor, 1/8W SMD	100 ohms	0.05	SMD 805
R1, R5	2	Resistor, 1/8W SMD	2K	0.05	SMD 805
L1	1	Inductor (EMI choke)	820 uH or 1 mH		LS=5mm, Dia=7.5mm
L2	1	Output Inductor	1.5 mH, 500mA		12mm x 12mm SMD