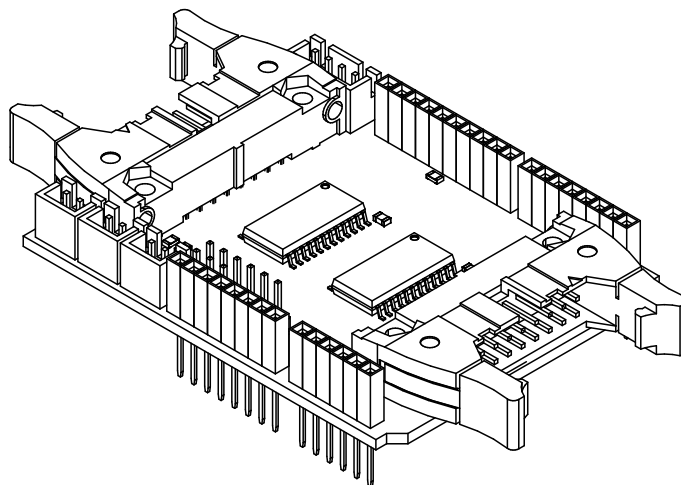


Notes:

1. MAX EXPANDABLE TEST POINTS 64
2. SHIELD COMPATIBLE ONLY WITH ARDUINO UNO
3. VERSION 2 ONLY COMPATIBLE WITH LCD SCREEN I2C.
4. FOR MORE INFORMATION: ERIDEVICES.COM

Arduwire UNO



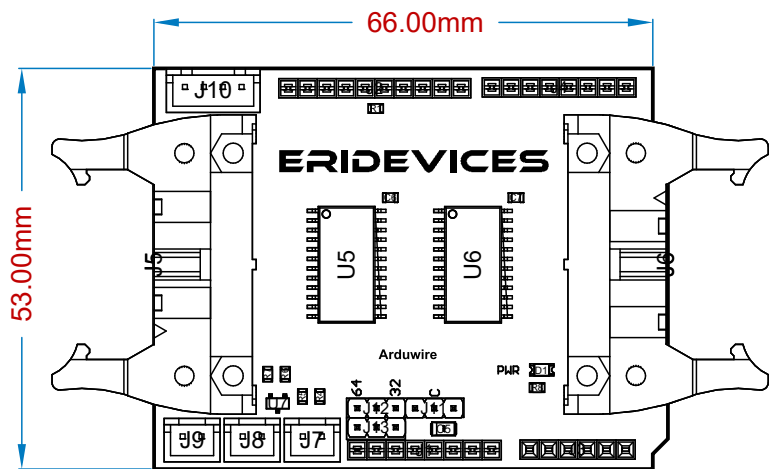
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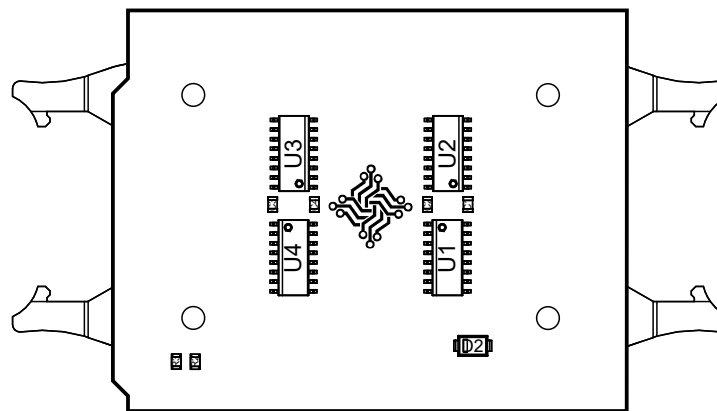
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	ERIDEVICES	
		DIMENSIONS ARE IN INCHES		DRAWN	E.M.	3/28/2020	
		TOLERANCES:		CHECKED	E.M.	TITLE	
		FRACTIONAL ±		ENG APPR.		Arduwire UNO Shield	
		ANGULAR: MACH ± BEND ±		MFG APPR.			
		TWO PLACE DECIMAL ±		Q.A.			
		THREE PLACE DECIMAL ±		COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				SIZE	DWG. NO.
		MATERIAL				ARDW-001	
NEXT ASSY	USED ON	FINISH				SCALE:	1:1
APPLICATION		DO NOT SCALE DRAWING				WEIGHT:	SHEET 1 OF 4

A

B



TOP VIEW



BOTTOM VIEW



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	ERIDEVICES				
		DIMENSIONS ARE IN INCHES		DRAWN	E.M.	3/28/2020	TITLE Arduwire UNO Shield			
		TOLERANCES:		CHECKED	E.M.					
		FRACTIONAL ±		ENG APPR.						
		ANGULAR: MACH ± BEND ±		MFG APPR.						
		TWO PLACE DECIMAL ±		Q.A.			SIZE	DWG. NO.		
		THREE PLACE DECIMAL ±		COMMENTS:				ARDW-001		
		INTERPRET GEOMETRIC TOLERANCING PER:					SCALE:	1:1	WEIGHT:	SHEET 2 OF 4
		MATERIAL								
		FINISH								
NEXT ASSY	USED ON									
APPLICATION		DO NOT SCALE DRAWING								

A

B

A

B

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Paste			Paste Mask	GTP
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.01mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0.04mm		Signal	GTL
		1.60mm	FR-4	Dielectric	
Copper	Bottom Layer	0.04mm		Signal	GBL
Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
	Bottom Paste			Paste Mask	GBP

Total thickness: 1.69mm

1

1

2

2



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		DIMENSIONS ARE IN INCHES		DRAWN	E.M.	3/28/2020	TITLE Arduwire UNO Shield			
		TOLERANCES:		CHECKED	E.M.					
		FRACTIONAL ±		ENG APPR.						
		ANGULAR: MACH ± BEND ±		MFG APPR.						
		TWO PLACE DECIMAL ±		Q.A.			SIZE	DWG. NO.		
		THREE PLACE DECIMAL ±		COMMENTS:					ARDW-001	
		INTERPRET GEOMETRIC TOLERANCING PER:					SCALE:	1:1	WEIGHT:	SHEET 3 OF 4
		MATERIAL								
		FINISH								
NEXT ASSY	USED ON									
APPLICATION		DO NOT SCALE DRAWING								

A

B

Bill Of Materials

Line #	Designator	Comment	Quantity
1	C1, C2, C3, C4, C6, C7	100nF	6
2	C5	10UF	1
3	D1	LED	1
4	D2	DIODE	1
5	J1	ESQ-108-14-T-S	1
6	J2	ESQ-110-14-G-S	1
7	J3	ESQ-106-14-T-S	1
8	J4	ESQ-108-14-T-S	1
9	J5, J6	XG4A-1634	2
10	J7, J8, J9	B2B-XH-A(LF)(SN)	3
11	J10	B4B-XH-A(LF)(SN)	1
12	J11, J12, J13	61300311121	3
13	R1, R2, R3, R4, R5, R6, R7, R8	10k	8
14	U1, U2, U3, U4	TPIC6C595DR	4
15	U5, U6	CD74HC4067M96	2
16	U7	SMBT3904-E6327	1



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		INTERPRET GEOMETRIC TOLERANCING PER:				SIZE	DWG. NO.
		MATERIAL				ARDW-001	
NEXT ASSY	USED ON	FINISH					
APPLICATION		DO NOT SCALE DRAWING		SCALE:	1:1	WEIGHT:	SHEET 4 OF 4