TEES®

AR-2000 Advanced Elektronik Kodlama Laboratuvarı ARDUINO® Uyumlu

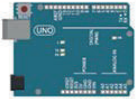
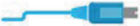
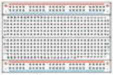
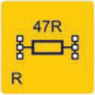
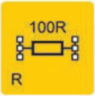
NELER YAPILIR?

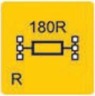
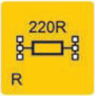
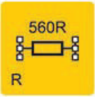
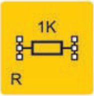
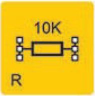
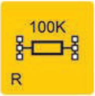
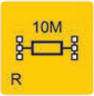
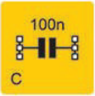
FM Radyo	Nabız ölçer	Hesap makinesi
Şifreli kapı kilidi	EKG grafiği	Takometre
Osiloskop	Hız göstergesi (km/h)	Otopark otomasyonu
Güneş takip sistemi	Renk algılama	Voltmetre
Ampermetre	Yılan oyunu	Dijital termometre
Gelişmiş radar	Frekansmetre	Otomatik bariyer sistemi
LCD ekranlı park sensörü	Hareket sensörlü lamba	Devriye kamerası
Dijital ekranlı çalar saat	Uzaktan kumandalı vantilatör	Motor yön kontrolü
Hassas termometre	Higrometre	Hareket sensörlü hırsız alarmı
Benham diski	Tenis oyunu	Otomatik açılır kapanır kapı
Işık modülatörü	VU metre	Park sensörü
Ultrasonik metre	Otomatik araç cam sileceği	3 kademeli araç cam sileceği
El çırpmalı şalter	Polis sireni ve çakar lamba	İğne iplik oyunu
Elektronik kantar	Radar	Işıklı ikaz tabelası
Elektronik yazı-tura	Yılbaşı ağacı	Sıvı seviye ölçer
Çarkıfelek	Mors sinyal üretici	Hız ayarlı mutfak aspiratörü
Analog termometre	Hırsız alarm düzeneği	Yağmur alarmı
Kapasitemetre	Ohmmetre	Buzdolabı kapı ikazı
Fan	Saksı nem alarmı	Yalan dedektörü
Elektronik merdiven otomatiği	Gece lambası	Trafik ışığı
Yaya geçidi	Melodili kapı zili	Dokunmatik ışık ayarlayıcı (Dimmer)

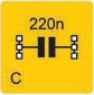
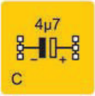
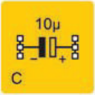
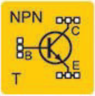
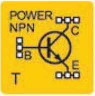
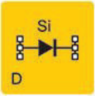
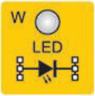
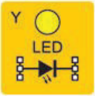
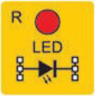
YENi
PRATiK
BAĞLANTI
SiSTEMi

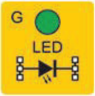
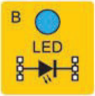
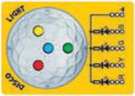
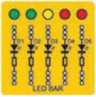
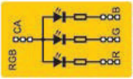
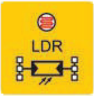
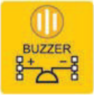
SAĞLAM
MODÜLER
SiSTEM

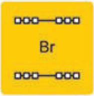
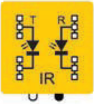
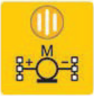
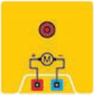
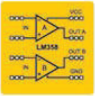
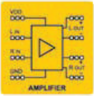
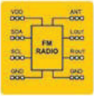
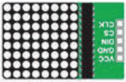
MALZEME LİSTESİ

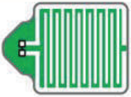
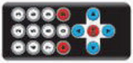
No	Görsel	Malzeme Adı	Sembol	Değer	Açık Okunuş	Miktar
1		Deney Seti	-	-	-	1 adet
2		UNO	-	-	-	1 adet
3		UNO Muhafaza Kutusu	-	-	-	1 adet
4		USB kablo	-	-	-	1 adet
5		Bread-board	-	-	-	1 adet
6		Direnç modülü	R	47 Ω	47 Ohm	1 adet
7		Direnç modülü	R	100 Ω	100 Ohm	1 adet

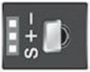
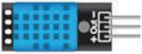
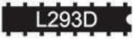
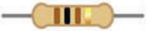
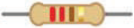
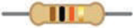
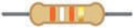
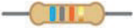
8		Direnç modülü	R	180 Ω	180 Ohm	1 adet
9		Direnç modülü	R	220 Ω	220 Ohm	1 adet
10		Direnç modülü	R	560 Ω	560 Ohm	1 adet
11		Direnç modülü	R	1 KΩ	1 Kilo ohm	1 adet
12		Direnç modülü	R	4,7K Ω	4,7 Kilo ohm	1 adet
13		Direnç modülü	R	10K Ω	10 Kilo ohm	1 adet
14		Direnç modülü	R	100K Ω	100 Kilo ohm	1 adet
15		Direnç modülü	R	10M Ω	10 Mega ohm	1 adet
16		Kondansatör modülü	C	100 nF	100 Nano farad	1 adet

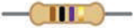
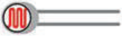
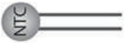
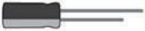
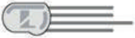
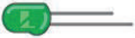
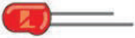
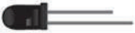
17		Kondansatör modülü	C	220 nF	220 Nano farad	1 adet
18		Elektrolitik kondansatör modülü	C	4,7 µF	4,7 Mikro farad	1 adet
19		Elektrolitik kondansatör Modülü	C	10 µF	10 Mikro farad	1 adet
20		Transistör modülü	T	BC847	-	1 adet
21		Güç Transistörü modülü	T	-	-	1 adet
22		Silikon diyot modülü	D	1N4007	-	1 adet
23		Beyaz LED modülü	D	-	-	1 adet
24		Sarı LED modülü	D	-	-	1 adet
25		Kırmızı LED modülü	D	-	-	1 adet

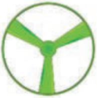
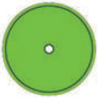
26		Yeşil LED modülü	D	-	-	1 adet
27		Mavi LED modülü	D	-	-	1 adet
28		Disco Light modülü	-	-	-	1 adet
29		LED BAR modülü	D	-	-	1 adet
30		RGB LED modülü	D	-	-	1 adet
31		Trafik lambası modülü	-	-	-	1 adet
32		LDR modülü	LDR	10 KΩ	10 Kilo ohm	1 adet
33		Buzzer modülü	-	-	-	1 adet

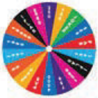
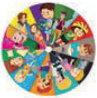
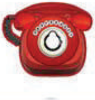
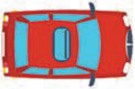
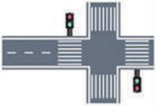
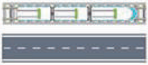
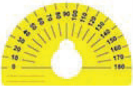
34		Köprü modülü	-	-	-	1 adet
35		IR modülü	-	-	-	1 adet
36		Mikrofon modülü	-	-	-	1 adet
37		DC Motor modülü	M	6V	6 Volt	1 adet
38		LM358 modülü	-	-	-	1 adet
39		Yükseltici (Amplifier) modülü	-	-	-	1 adet
40		FM Radyo modülü	-	-	-	1 adet
41	 CLK CS DIN GND VCC	8x8 LED Matrix	-	8x8	-	1 adet

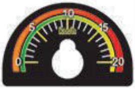
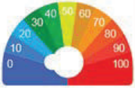
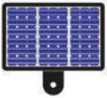
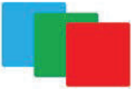
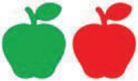
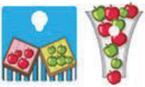
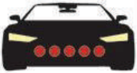
42		Hareket (PIR) sensör	-	-	-	1 adet
43		Ultrasonik sensör	-	-	-	1 adet
44		Ultrasonik sensör ayağı	-	-	-	1 adet
45		Servo motor	-	-	-	1 adet
46		Servo motor ayağı	-	-	-	1 adet
47		Dokunmatik sensör modülü	-	-	-	1 adet
48		Kapı kontağı modülü	-	-	-	1 adet
49		Kızılötesi kumanda	-	-	-	1 adet

50		Kızılötesi alıcı	-	-	-	1 adet
51		DHT11 Modülü	-	-	-	1 adet
52		Motor sürücü entegresi	-	L293D	-	1 adet
53		Direnç	R	100 Ω	100 Ohm	1 adet
54		Direnç	R	220 Ω	220 Ohm	7 adet
55		Direnç	R	10 KΩ	10 Kilo ohm	1 adet
56		Direnç	R	39 KΩ	39 Kilo ohm	1 adet
57		Direnç	R	68 KΩ	68 Kilo ohm	2 adet

58		Direnç	R	10 MΩ	10 Mega ohm	8 adet
59		LDR	LDR	10 KΩ	10 Kilo ohm	1 adet
60		NTC	-	10 KΩ	10 Kilo ohm	1 adet
61		Elektrolitik kondansatör	C	10 µF	10 Mikro farad	2 adet
62		RGB LED	D	5 mm Ø	5 milimetre çap	1 adet
63		Yeşil LED	D	5 mm Ø	5 milimetre çap	1 adet
64		Kırmızı LED	D	5 mm Ø	5 milimetre çap	7 adet
65		IR Alıcı LED	D	3 mm Ø	3 milimetre çap	2 adet

66		IR Verici LED	D	3 mm Ø	3 milimetre çap	1 adet
67		Garaj Kapısı	-	-	-	1 adet
68		Kamera	-	-	-	1 adet
69		Bariyer	-	-	-	1 adet
70		Silecek	-	-	-	1 adet
71		Pervane	-	-	-	1 adet
72		Disk	-	-	-	1 adet
73		Rüzgar gülü	-	-	-	1 adet

74		Problar	-	-	-	2 adet
75		Çarkıfelek diski	-	-	-	1 adet
76		Günlük aktivite diski	-	-	-	1 adet
77		Nostaljik telefon	-	-	-	1 adet
78		Araba	-	-	-	2 adet
79		Dörtyol kavşağı	-	-	-	1 adet
80		Tren yolu & Araç yolu	-	-	-	1 adet
81		Açı kadranı	-	-	-	1 adet

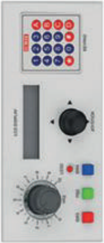
82		Hız kadranı	-	-	-	1 adet
83		Termometre kadranı	-	-	-	1 adet
84		Güneş paneli	-	-	-	1 adet
85		Renk kartonu	-	-	-	3 adet
86		Elma kartonu	-	-	-	2 adet
87		Elma kasası bandı & Oluk	-	-	-	1 adet
88		Kırmızı şimşek	-	-	-	1 adet
89		Kırmızı ve siyah montaj kablosu	-	0,6 mm Ø	0,6 milimetre çap	7+7 metre

90		Diğer renk montaj kablosu	-	0,6 mm Ø	0,6 milimetre çap	12 metre
91		Çıplak tel	-	0,6 mm Ø	0,6 milimetre çap	50 cm
92		Malzeme tablası	-	-	-	1 adet
94		AR-2000 Deney kitabı	-	-	-	1 adet

AR-1000 Panel üzerindeki parçalar

95		Potansiyo-metre	VR	10 KΩ Lin	10 Kilo ohm Lineer	1 adet
96		Anahtar	SW	-	-	2 adet
97		Buton	PB	-	-	1 adet
98		LED	D	-	-	3 adet
99		Hoparlör	LS	8 Ω	8 Ohm	1 adet
100		Konnektör	CN	-	-	1 adet
101		Prob girişi	Probe	-	-	2 adet

AR-2000 Panel üzerindeki parçalar

102		Potansiyometre	VR	50 KΩ Lin	50 Kilo ohm Lineer	1 adet
103		Anahtar	SW	-	-	2 adet
104		Buton	PB	-	-	1 adet
105		LED	D	-	-	3 adet
106		Joystick	-	-	-	1 adet
107		LCD Display	LCD	2x16	LCD Ekran	1 adet
108		Keypad	-	4x4	Tuş takımı	1 adet
109		Teleskobik anten	T	-	-	1 adet