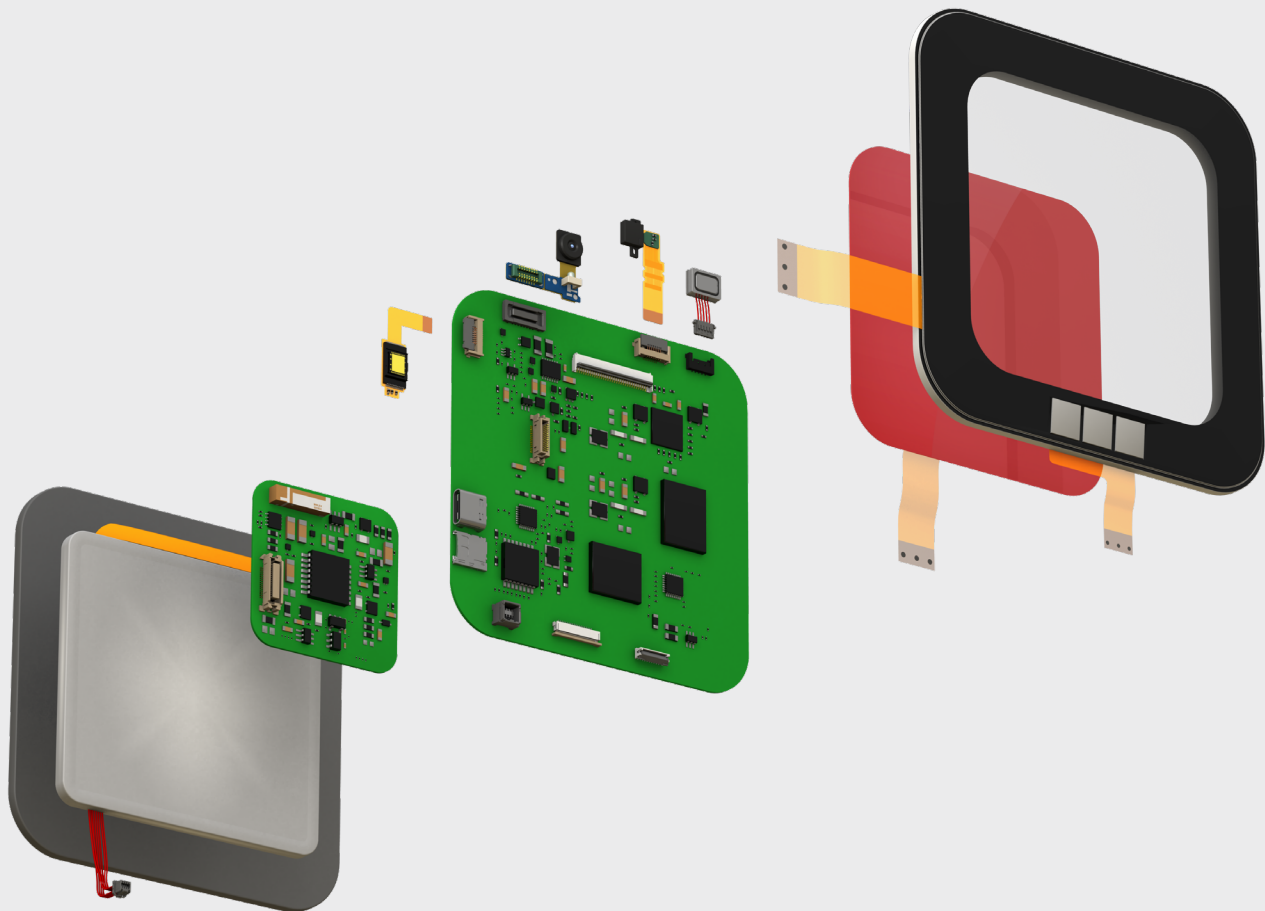


EASY-ON FFC/FPC, SLIMSTACK BOARD-TO-BOARD AND WIRE-TO-BOARD CORE PRODUCTS >



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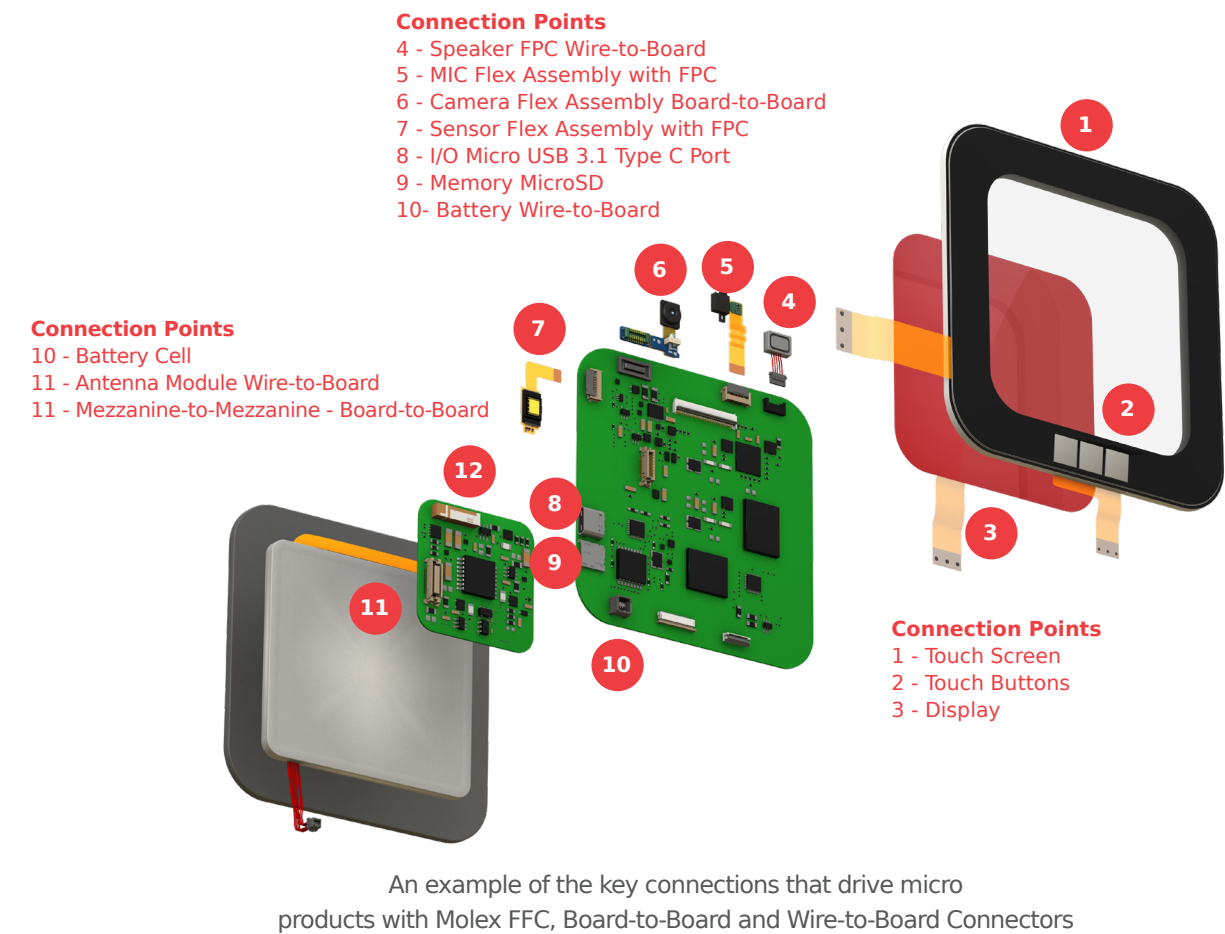
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Key Microminiature Connection Points



Microminiature connectors initially designed for consumer handheld devices, are now in applications across many industries. Furthermore, companies are looking for new ways to use technology to reach customers and engage with them. These new application features have translated into more modularity and increased flexible printed assemblies for key features.

Why more applications across industries are using microminiature connectors:

- Increased user interface
- Feature-rich options
- Profile changes

In turn, feature-rich options and increased user interface result in:

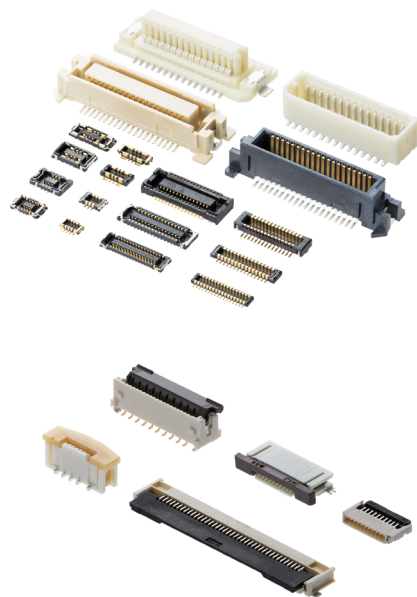
- Increased flexible print assemblies
- Modular design (multiple PCB designs)

All of the above increase the amount of microminiature connection points in applications.

Key Microminiature Connection Points

SLIMSTACK BOARD-TO-BOARD CONNECTORS

SlimStack Board-to-Board Connectors offer a wide selection of low-profile, narrow width options in various mated heights and circuit sizes.



EASY-ON FFC/FPC CONNECTORS

Super-fine pitch and small-size FFC/FPC Connectors with ZIF, non-ZIF, slider, flip actuator and FPC-to-board styles and a variety of circuit sizes deliver both high reliability and speedy data rates.



SIGNAL WIRE-TO-BOARD CONNECTORS

Feature a wide variety of available wire-to-board signal connectors that provide excellent design flexibility and cost-savings.

Easy-On FFC/FPC Connector Core Products

Pitch (mm)	Orientation	Contact Position	Circuits	Series Name	Series No.	Image
0.50	Right-Angle	Dual	4 to 32	FBH1	503480	
		Bottom	4 to 80	FD19	505110	
		Top	4 to 20	Slider	52745	
			21 to 30		52435	
			30 to 50		54104	
		Bottom	4 to 20		52746	
			21 to 30		52437	
			30 to 50		54132	
	Vertical		4 to 70	V-Flip	501951	
			6 to 42	Slider	52559	
1.00	Right-Angle	Bottom	4 to 30	FD19	200528	
		Top	3 to 34	Slider	52207	
		Bottom	4 to 30		52271	
	Vertical		5 to 30		52610	

SlimStack Board-to-Board Connectors Core Products

Pitch (mm)	Mated Height (mm)	Mated Width (mm)	Circuits	Series Name	Series No.		Image
					Receptacle	Plug	
0.35	0.60	2.00	6 to 60	SSB RP	505066	505070	 POWER SUPPLY ⚡
	0.70				505270	505274	
	0.80				505413		
	0.90				505417		
	1.00						
0.40	0.60	2.00	8, 10	Battery (10.0A)	505473	505476	 POWER SUPPLY ⚡
	0.70	2.60	20 to 60	HRF (7L)	503304	503308	
	0.70	2.60	6 to 18	HRF (7S)	503548	503552	
	0.75	2.50	8	Battery (6.0A)	505004	505006	 POWER SUPPLY ⚡
	0.80	2.50	10 to 50	B8	505550	505551	
	1.50	3.40	10 to 100	J-Bend	51338	55909	
	1.80	4.20			500913	501745	
	2.00	3.40	12 to 80		51338		
	2.30	4.20			500913		
	0.635	6.00	6.40	20 to 240	0.635	52885	55091
7.00		53625					
8.00		53647					
9.00		53649					
10.00		53627					
12.00		52901				55091	
13.00						53625	
14.00						53647	
15.00						53649	
16.00						53627	

Core Signal Connectors 1.00 to 2.50mm Pitch

Pitch (mm)	Product Family	Terminal	Housing	Straight Plug Header	Right-Angle Plug Header	Plating	Lock Type	Circuit Sizes	Wire Gauge	Current (max.)	Voltage (max.)	Key Features
1.00	Pico-Lock 1.00mm	 503765	 503764	N/A	 503763	Gold	Side Positive	2, 3, 4, 5, 6	AWG 28-30	2.5A	150V	Space saving/ positive side locks/high current
	Pico-Clasp*	 501334-0000	 501330 (Single)* 2, 3, 4, 5 circuits	 501331 (SMT)*	 501568 (SMT)*	Tin	Friction (2, 3, 4, 5 circuits)					
		 501193-3000		 504449 (SMT)	 202396 (SMT)	Gold 0.1µm						
		 501193-6000		 203556 (SMT)	 203558 (SMT)	Gold 0.38µm						
		 501193-5000		 203557 (SMT)	 203559 (SMT)	Gold 0.76µm						
		 501334-0000	 501939 (Single)*	 501940 (SMT)*	 501953 (SMT)*	Tin	Outer Positive	3, 4, 5				
		 501193-3000		 501940 (SMT)	 501953 (SMT)	Gold 0.1µm						
		 501193-6000		 203560 (SMT)	 203562 (SMT)	Gold 0.38µm						
		 501193-5000		 203561 (SMT)	 203563 (SMT)	Gold 0.76µm						
		 501193-3000		 501190 (Dual, SMT)	 501571 (Dual, SMT)	Gold 0.1µm						
		 501193-6000		 203564 (Dual, SMT)	 203566 (Dual, SMT)	Gold 0.38µm						
		 501193-5000		 203565 (Dual, SMT)	 203567 (Dual, SMT)	Gold 0.76µm						

* Color Variations Available

Natural

Black

Red

Blue

Green

Core Signal Connectors 1.00 to 2.50mm Pitch

Pitch (mm)	Product Family	Terminal	Housing	Straight Plug Header	Right-Angle Plug Header	Plating	Lock Type	Circuit Sizes	Wire Gauge	Current (max.)	Voltage (max.)	Key Features
1.20	Pico-EZmate	 78172	 78172 (Single)	 78171 (SMT)	N/A	Gold	Friction	2, 3, 4, 5, 6, 7	AWG 28-30	2.5A	50V	High current (2P, AWG 28)
	Pico-EZmate Slim	 202655	 202654 (Single)	 202656 (SMT)	N/A	Gold	Friction	2		3.2A		High current (2P, AWG 28)
1.25	PicoBlade	 50058/50079	 51021 (Single)	 53398 (SMT)	 53261 (SMT)	Tin Gold (R/A)	Friction	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 17 (53261, Tin)	AWG 28-32 (50058 Tin only) AWG 26-28 (50079, Tin/Gold)	2.5A	125V	Ultra small size, SMT and through-hole option wire-to-wire is also available
		 53047 (Through-hole)		 53048 (Through-hole)								
		 50125/50133 (Plug terminal)		 51047 (Plug HSG)	N/A	Tin	2, 3, 4, 5, 6, 7, 8, 9, 10	AWG 28-32 (50133) AWG 26-28 (50125)	2.5A	125V	Wire-to-wire	
	Micro-Lock Plus 1.25mm*	 505431	 505432 (Dual)*	 505565 (Single)*	 505568*	Tin Gold (Contact Molex)	Outer Positive	Single-row 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	AWG 26-30	2.2A	50V	Small size, outer positive lock
				 505433 (Dual)*	 505448 (Dual)*		Inner Positive	Dual-row 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42				Small size, inner positive lock
	Board-in 1.25mm	 50080 / 50061	 51022 (Single)	N/A	N/A	Tin	N/A	2, 3, 4, 5, 6	AWG 28-32 (50061) AWG 26-28 (50080)	1.0A	125V	Board-in
1.50	Pico-Lock 1.50mm	 504052	 504051 (Single)	N/A	 504050 (SMT)	Gold	Side Positive	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	AWG 24-32	3.5A	150V	Low profile and high current
	Pico-SPOX	 87421-0100 87421-0000	 87439 (Single)	 87437 (SMT)	 87438 (SMT)	Tin	Friction	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	AWG 24-26 (87421-0000) AWG 26-30 (87421-0100)	2.5A	250V	Ideal solution for higher current wire-to-board configurations in tight packaging applications
		 87421-0102 87421-0002		 202705 (SMT)	 202706 (SMT)	Gold		2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	AWG 24-26 (87421-0002) AWG 26-30 (87421-0102)			

*Color Variations Available

Natural Black Red Blue Green

Core Signal Connectors 1.00 to 2.50mm Pitch

Pitch (mm)	Product Family	Terminal	Housing	Straight Plug Header	Right-Angle Plug Header	Plating	Lock Type	Circuit Sizes	Wire Gauge	Current (max.)	Voltage (max.)	Key Features
1.50	CLIK-Mate*	 502579 (AWG 24-28) 503429 (AWG 26-30)	 502578 (Single)*	 502584 (SMT)*	 502585 (SMT)*	Tin	Inner Postive	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	AWG 24-28 (502579) AWG 26-30 (503429)	2.0A	100V	Low insertion force, secure mating with audible click
				 503159 (Through-hole)*	 503175 (Through-hole)*			3, 4, 6, 7, 8, 10				Bottom entry
				 503395 (Bottom entry, SMT)	N/A			Vertical 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34 Right-Angle 8, 10, 12, 14, 16, 18,				Low insertion force, secure mating with audible click
			 503149 (Dual)	 503154 (Dual, SMT)	 503148 (Dual, SMT)			2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15				Gold plating version
	Spot-On 1.50mm	 201649	 201647 (Single)	 201648 (SMT) (Single with nail)	N/A	Gold	Inner Positive	8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34	AWG 24-28 (502579) AWG 26-30 (503429)	2.0A	100V	Potting height: 5.0mm SMT type, center nail for additional mechanical strength
				 201645 (SMT) (Dual w/o nail)	N/A			Single 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Dual 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40				
2.00	Micro-Lock Plus 2.00mm	 505572	 505570 (Single)	 505575 (SMT)	 505578 (SMT)	Tin Gold (Contact Molex)	Outer Positive	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	AWG 22-26 AVSS 0.3	3.0A	250V	Small size, outer positive lock

*Color Variations Available

Natural Black Red Blue Green

Core Signal Connectors 1.00 to 2.50mm Pitch

Pitch (mm)	Product Family	Terminal	Housing	Straight Plug Header	Right-Angle Plug Header	Plating	Lock Type	Circuit Sizes	Wire Gauge	Current (max.)	Voltage (max.)	Key Features
2.00	Milli-Grid			 151062 (SMT)	 151064 (SMT)	Gold / Tin	Outer Positive	2, 3, 4, 5, 6, 7, 8, 9, 10	AWG 24-30	2.5A	125V	Outer positive lock, audible click to ensure good mating
				 151063 (Through-hole)	 151065 (Through-hole)	Gold / Tin	Outer Positive	2, 3, 4, 5, 6, 7, 8, 9, 10				
				 151117 (Through-hole)	 151119 (Through-hole)	Gold / Tin	Friction	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50	AWG 24-30	2.0A (Refer to Product Spec for rating chart)	125V	Single-sided polarization, glow wire material
				 151118 (SMT)	 151120 (SMT)	Gold / Tin	Friction	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50				
				 87831 (Through-hole)	 87833 (Through-hole)	Gold / Tin	Friction	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50	AWG 22-26 (501647) AWG 26-28 (501648)	2.0A	250V	N/A
				 87832 (SMT)	N/A	Gold / Tin	Friction	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50				
				 151013 (Through-hole)	N/A	Gold	N/A	6, 8, 10, 12, 14, 16, 18, 20	AWG 22-26 (501647) AWG 26-28 (501648)	2.0A	250V	Allow misalignment of up to 1mm in X and Y direction
				 151014 (Dual) (Cable not included)	N/A	Gold	N/A	6, 8, 10, 12, 14, 16, 18, 20				
	iGrid*				 501876 (Through-hole)*	Tin	Inner Positive	10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40	AWG 22-26 (501647) AWG 26-28 (501648)	2.0A	250V	Compact design and anti-tangle internal lock
								10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40				
				 503091 (Through-hole)	N/A	Gold		14, 28	AWG 26-28 (503095)			Gold plating version
	Spot-On 2.00mm					Tin	Inner Positive	Single 2, 3, 4, 5, 6, 7, 8, 9, 10 Dual 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40	AWG 22-26	2.5A	250V	Potting height: 7.0mm SMT type, center nail for additional mechanical strength
								10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40				

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Core Signal Connectors 1.00 to 2.50mm Pitch

Pitch (mm)	Product Family	Terminal	Housing	Straight Plug Header	Right-Angle Plug Header	Plating	Lock Type	Circuit Sizes	Wire Gauge	Current (max.)	Voltage (max.)	Key Features	
2.00	Micro-Latch	 50212/50372	 51065 (Single)	 53253	 53254	Tin	N/A	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	AWG 24-30 (50212) AWG 22-26 (50372)	2.5A	125V	Low cost, longer market history	
	Board-in 2.00mm	 50034	 51015 (Straight)	N/A	N/A	Tin	N/A	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	AWG 26-30	2.0A	125V	Board-in	
		 35021	 35023 (Right-Angle)	N/A	N/A				AWG 24-30	2.5A	125V		
2.50	Mini-Lock	 50752 (AWG 20-26) with Retainer	 51163 (with Retainer)  51164 (Retainer)	 53375 (H=11.5, Through-hole)  53517 (H=17.5, Through-hole)	 53426 (Through-hole)	Tin	Outer Positive	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	AWG 20-26	3.0A (50351) (50837) 3.5A (50752) (50709)	250V	Wide variety TPA version available, higher profile version available for potting treatment	
		 50351	 51103 (Single)	N/A	N/A		Wire-to-Wire						
		 50837	N/A	 51198 Plug Housing	N/A								
	Mini-SPOX	 5263	 5264 (Single)	 5267	 5268	Tin	Friction	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	AWG 22-28	3.0A	250V	Low cost, longer market history	
	Board-in 2.50mm	 50097	 51035 (Straight)	N/A	N/A	Tin	N/A	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18	AWG 20-24	4.0A	250V	Board-in	
		 35021	 35022 (Right-Angle)	N/A	N/A		N/A	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16	AWG 22-28	3.0A	125V		