



Aggressive

Reliable

Immediate

ARI

Argosy Research Inc. (ARI) is the solution provider and has been dedicated to producing System Products & Electronics Connectors over 30 years. Our mission is "ARI" - Aggressive performance, Reliable quality and Immediate service, which makes us the best partner in mobile solution. We have seven global locations, including of three factories- Hsinchu (Taiwan HQ & factory), Taipei (Taiwan office), Kunshan (China factory), Suining (China factory), San Jose (US office), Shenzhen (China office), and Chongqing (China office).

Argosy certifications

EICC 5.1 Silver Certificate / RBA 6.0
 IATF 16949: 2016
 QC 080000 / OHSAS 18001
 ISO 9001 / ISO 14001 / ISO 14064

GLOBAL LOCATIONS

Taiwan HQ & Factory
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**TELECOMMUNICATION
 CONSUMER ELECTRONICS
 MILITARY-INDUSTRIAL
 AUTOMOTIVE**



Best partner in mobile solution

DDR4 & DDR5 LONG DIMM CONNECTOR SERIES

DDR3 & DDR4 SO-DIMM CONNECTOR SERIES

JEDEC, EIA standards & MIL-STD
REACH, Halogen Free, RoHS



APPLICATION

DDR4 & DDR5 LONG DIMM CONNECTOR SERIES

- Compliance with JEDEC DDR Standard, improved performance & power efficiency
- Reflow / Wave soldering process compatible
- Housing material: with RoHS / Halogen free; Colors: black / blue / red / white
- Double Ejector; Package options: tray (Thru-Hole type) / hard tray (SMT type)
- Capacity 10 million pcs per month
- Customizable specification

Product	PCB Mounting	Type	PCB Orientation	Height	Pitch	Pins
DDR4 Long DIMM	Through-Hole Type	Standard	Vertical	20.95 mm	0.85 mm	288
	SMT Type					
DDR5 Long DIMM	SMT Type					

DDR3 & DDR4 SO-DIMM CONNECTOR SERIES

- Excellent mechanical strength, dimensional stability, electrical performance, and high temperature thermoplastic
- Reflow process compatible
- Capacity 10 million pcs per month
- Customizable specification

Product	Type	PCB Mounting	PCB Orientation	Height	Pitch	Pins
DDR3 SO-DIMM	Standard / Reverse	SMT	Right Angle	4.0 / 5.2 / 6.0 / 8.0 / 9.2 / 11.0 / 12.0 mm	0.6 mm	204
DDR4 SO-DIMM				4.0 / 5.2 / 6.0 / 8.0 / 9.2 mm	0.5 mm	260



M.2 (NGFF) & MINI PCIE CONNECTOR SERIES

LATCH & NUT SERIES

PCI-SIG, EIA standards & MIL-STD REACH, Halogen Free, RoHS



APPLICATION

M.2 (NGFF) & MINI PCIE CONNECTOR SERIES

- Reflow process compatible
- Available for A / B / E / M key options for M.2
- Capacity 15 million pcs for M.2; 3 million pcs for Mini PCIe per month
- Customizable specification

Product	Type	PCB Mounting	Height	Key	Pitch	Pins
M.2 (NGFF)	Standard / Reverse, Top-Mount	SMT	2.0 / 2.65 / 3.0 / 3.2 / 4.0 / 4.8 / 5.0 / 5.8 / 6.4 / 6.7 / 8.5 mm	A, B, E, M	0.5 mm	67
	Standard / Reverse, Mid-Mount	SMT + Through-Hole	1.2 / 1.35 / 1.4 / 1.5 / 1.65 / 1.7 / 1.8 / 2.15 mm			
Mini PCIe	Standard / Reverse, Top-Mount	SMT	3.2 / 4.0 / 5.2 / 5.7 / 6.7 / 6.8 / 7.0 / 8.0 / 9.0 mm		0.8 mm	52
	Standard / Reverse, Mid-Mount	SMT + Through-Hole	1.7 / 2.35 / 2.45 / 2.95 mm			

LATCH & NUT SERIES

- Reflow process compatible
- Latch capacity 0.5 million pcs per month
- Nut capacity 110 million pcs per month

Product	Applicable	Dimension
Latch	Mini PCIe Socket	7.0 x 5.0 x 5.7 (H) mm
Nut	Mini PCIe Socket	4.0 / 5.2 / 5.7 / 6.8 (H) mm
	M.2 (NGFF) Socket	2.0 / 3.0 / 4.0 / 4.8 / 5.0 / 5.8 / 6.4 / 8.5 (H) mm



RF COAXIAL CONNECTOR SERIES LVDS RECEPTACLE CONNECTOR SERIES

RF COAXIAL CONNECTOR SERIES

- Reflow process compatible
- Capacity 15 million pcs per month

No.	PCB Mounting	Operation Direction	Dimension	Pad	Switch
M4	SMT	Vertical	3.0x3.1x1.25(H)mm	3&4	w/o Switch
M6			2.0x2.0x0.60(H)mm	4	
P2			3.0x3.0x1.75(H)mm	6	w/ Switch

LVDS RECEPTACLE CONNECTOR SERIES

- Reflow process compatible
- Capacity 2 million pcs per month

Product	Type	PCB Mounting	Mated Height	Dimension	Pitch	Pins
LVDS	Receptacle	SMT	2.0 mm	14.6x4.36x1.4 mm	0.5 mm	20
				19.6x4.36x1.4 mm		30
				24.6x4.36x1.4 mm		40
				29.6x4.36x1.4 mm		50



PCI-SIG, EIA standards & MIL-STD
REACH, Halogen Free, RoHS

APPLICATION



USB TYPE-C RECEPTACLE CONNECTOR SERIES

USB-IF TID certification
EIA standards & MIL-STD
REACH, Halogen Free, RoHS

USB TYPE-C RECEPTACLE CONNECTOR SERIES

• Capacity 4 million pcs per month

*The following USB Type-C connectors are 0.5mm Pitch with 24 pins

No.	Type	PCB Mounting	C/H	Details	
FV1	Vertical	Single Shell	Dual Row SMT	N/A	*TID Certification: 5200000775 *Support USB 3.1 Gen 2
FP4	Right Angle, Top-Mount	Double Shell	Dual Row SMT	1.92mm	*Achieve IPX7 of IEC Standard 60529 after 2 times Reflow
FT2	Right Angle, Top-Mount	Single Shell	Hybrid (SMT+T/H)	1.73mm	TID Certification: 5200000235
FT4			Dual Row SMT	1.57mm	*TID Certification: 5200000438 *Support USB 3.1 Gen 2 & Thunderbolt 3
FT0		Double Shell	Hybrid (SMT+T/H)	2.68mm	Support USB 3.1 Gen 2
FT7				1.60mm	*TID Certification: 5200000726 *Support USB 3.1 Gen 2
FM5	Single Shell	Dual Row SMT	-0.64mm	Shell plated with Black Nickel (Optional)	
FM6			0.47mm		
FM0	Right Angle, Mid-Mount	Double Shell	Hybrid (SMT+T/H)	-0.50mm	*TID Certification: 5200000210 *Support USB 3.1 Gen 2 & Thunderbolt 3
FM1				0.70mm	*TID Certification: 5200000418 *Support USB 3.1 Gen 2 & Thunderbolt 3
FM2				-0.60mm	Support USB 3.1 Gen 2
FM4				0.60mm	Support USB 3.1 Gen 2
FM3				Dual Row SMT	1.10mm

Waterproof Type **FP4**

Thunderbolt 3 Type **FT4**

Black Nickel Type **FM5**

Vertical Type **FV1**

AR / VR

Game Console

Rugged Smartphone

POS System

Industrial PC

APPLICATION



USB TYPE-C PLUG & CABLE SERIES

USB-IF TID certification
EIA standards & MIL-STD
REACH, Halogen Free, RoHS



APPLICATION

USB TYPE-C PLUG & CABLE SERIES

- Obtained USB-IF TID certification, meet EIA& MIL-STD standards
- The USB Type-C plug may be either side
- Capacity 4 million pcs per month
- Customizable specification

Product	Type	PCB Mounting	Pitch	Pins	Details
MC1	Clip type, Single Shell	SMT Type	0.5mm	24	TID Certification:5200000195

- PD 3.0 is fully backwards compatible with USB PD 2.0 but introduces an extended messaging capability that enables faster USB PD performance for firmware updates
- The USB-C plug may be either side
- Capacity 0.5 million pcs per month
- Premium construction for durable and reliable operation
- Customizable specification

Product	Power Capacity	Dimension	Pins	Insulation Resistance	Contact Resistance	Over Mold
PD 3.0	45 Watt	Length 180mm Outer Diameter 3.7mm	16	DC 500V, 100mΩ, 0.1 Sec.	2Ω Max.	PVC, Black



FAKRA CONNECTOR SERIES

FAKRA CONNECTOR SERIES

*FAKRA Code applicable for both EU & US; Coupling Method Snap-on

**Jack for Cable, and Plug for PCB Mounting / Cable are available

Code	Jack & Plug	Color Similar to RAL No. Applications	Code	Jack & Plug	Color Similar to RAL No. Applications
A	●	Black 9005	H	●	Violet 4003
		Radio w/o phantom supply			GPS:Telematics and Navigation
B	○	White 9001	I	●	Beige 1001
		Radio w/ phantom supply			Remote controlled parking or heating / Bluetooth
C	●	Blue 5005	K	●	Curry 1027
		GPS:Telematics or Navigation			Radio with IF
D	●	Bordeaux 4004	L	●	Carmine Red 3002
		GSM Cellular phone			Not defined
E	●	Green 6002	M	●	Pastel Orange 2003
		TV-UHF/SDARS terrestrial (XM)			Not defined
F	●	Brown 8011	N	●	Pastel Green 6019
		TV-VHF/SDARS terrestrial (Sirius)			Not defined
G	●	Grey 7031	Z	●	Waterblue 5021
		Remote control keyless entry/ SDARS Terrestrial (interoperable)			Neutral coding

IPX7 level of IEC Standard 60529
Patented, RoHS

FAKRA Plug For Cable

FAKRA Plug For PCB

FAKRA Jack For Cable

Around View Monitoring

Infotainment

Car Computer

APPLICATION

