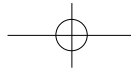


# CONNECTOR PRODUCT GUIDE





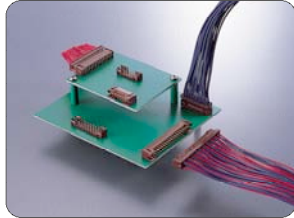
**Board to Board**



AA01A KX14/KX15 IL-WX TX24/TX25

	SERIES	TECHNICAL SPECIFICATION	MOUNTING STYLES	CATALOG PAGE
JAE Ref	<b>AA01A</b>	No of contacts 10,30,40,60	Plug Straight	21
Pitch	0.5mm	Current Rating 0.2 amp	Receptacle Straight	
PCB Mounting Method	SMT	Operating Temp -40 +85 degrees		
Packaging Options	Reeled	Contact Finish Gold Plating	Rohs Comp LOGO	
JAE Ref	<b>KX14/KX15</b>	No of contacts 20,30,40,50,60,70,80,100	Plug Straight /Right Angle	26
Pitch	0.8mm	Current Rating 0.5 amp	Receptacle Straight	
PCB Mounting Method	SMT	Operating Temp -40 +85 degrees		
Packaging Options	Loose & Reeled	Contact Finish Gold Plating	Rohs Comp LOGO	
JAE Ref	<b>IL-WX</b>	No of contacts 6,8,10,12,14,16,18,20,22 to 36	Plug Straight /Right Angle	
Pitch	0.8mm	Current Rating 0.5amp	Receptacle Straight	
PCB Mounting Method	SMT	Operating Temp -40 +85 degrees		
Packaging Options	Loose & Reeled	Contact Finish Tin Plating	LOGO	
JAE Ref	<b>TX24/TX25</b>	No of contacts 30,40,50,60,80,100	Plug Straight /Right Angle	
Pitch	1.27mm	Current Rating 1.0amp	Receptacle Straight /Right Angle	
PCB Mounting Method	Solder Thru Hole	Operating Temp -40 +80 degrees		
Packaging Options	Loose & Reeled	Contact Finish Gold Plating	Rohs Comp LOGO	

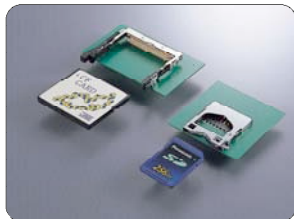
**Board to Cable**



ILZ ILS ILG TX2/TX3

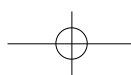
	SERIES	TECHNICAL SPECIFICATION	MOUNTING STYLES	CATALOG PAGE
JAE Ref	<b>ILZ</b>	No of contacts 2,3,4,5,6,7,8,9,10,11,12,13,14,15	Plug Straight /Right Angle*	55
Pitch	1.25mm	Current Rating 1.0 amp	Receptacle Crimp housing	
PCB Mounting Method	SMT / Thru Hole	Operating Temp -40 +70 degrees		
Packaging Options	Loose & Reeled	Contact Finish Tin Plating	LOGO	
JAE Ref	<b>ILS</b>	No of contacts 2,3,4,5,6,7,8,9,10,11,12,13,14,15	Plug Straight /Right Angle	59
Pitch	2.0mm	Current Rating 3.0 amp	Receptacle Crimp housing	
PCB Mounting Method	Thru Hole / Crimp	Operating Temp -40 +85 degrees		
Packaging Options	Loose	Contact Finish Tin Plating	Rohs Comp LOGO	
JAE Ref	<b>ILG</b>	No of contacts 2,3,4,5,6,7,8,9,10,11,12,13,14,15	Plug Straight /Right Angle	63
Pitch	2.5mm	Current Rating 3.0 amp	Receptacle Crimp housing	
PCB Mounting Method	Thru Hole / Crimp	Operating Temp -40 +85 degrees		
Packaging Options	Loose	Contact Finish Tin Plating	Rohs Comp LOGO	
JAE Ref	<b>TX2 / TX3</b>	No of contacts 20,26,30,34,40,50,60,68,80,100	Plug Straight /Right Angle	57
Pitch	1.27mm	Current Rating 0.5 amp	Receptacle IDC	
PCB Mounting Method	Thru Hole / IDC	Operating Temp -40 +80 degrees		
Packaging Options	Loose	Contact Finish Gold Plating	Rohs Comp LOGO	

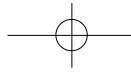
**Small Memory Card**



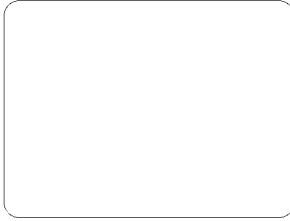
JC26C MM50 SG5/SC1 SF2/SF7

	SERIES	TECHNICAL SPECIFICATION	MOUNTING STYLES	CATALOG PAGE
JAE Ref	<b>JC26C</b>	No of contacts 50	Card Frame Con Right Angle	6
Pitch	1.27mm	Current Rating 0.5 amp	Frame Metal with Eject Button	
PCB Mounting Method	Solder Surface Mount	Operating Temp -20 +60 degrees		
Packaging Options	Loose	Contact Finish Gold Plating	Rohs Comp LOGO	
JAE Ref	<b>MM50</b>	No of contacts 200	Connector Standard / Reverse	10
Pitch	0.6mm	Current Rating 0.3 amp	Voltage 1.8v / 2.5v	
PCB Mounting Method	Solder Surface Mount	Operating Temp -55 +105 degrees		
Packaging Options	Loose /Reeled	Contact Finish Gold Plating	Rohs Comp LOGO	
JAE Ref	<b>SG5 / SC1</b>	No of contacts 13 / 9	Connector Standard or Reverse	18 & 19
Pitch	0.6mm	Current Rating 0.5 amp	Card Insert/Remove Push/Push	
PCB Mounting Method	Solder Surface Mount	Operating Temp -20 +85 degrees		
Packaging Options	Loose /Reeled	Contact Finish Gold Plating	Rohs Comp LOGO	
AE Ref	<b>SF2 / SF7</b>	No of contacts 6 / 6, 6+2	Connector Straight	12 & 15
Pitch	2.54mm	Current Rating 1.0 amps	Card Detection SF7	
PCB Mounting Method	Solder Surface Mount	Operating Temp -40 +90 degrees		
Packaging Options	Loose /Reeled	Contact Finish Gold Plating	Rohs Comp LOGO	





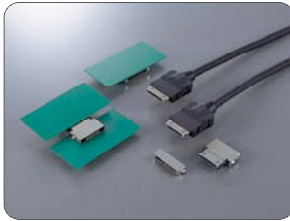
**FPC/FFC**



- IL-FPR/IL-FPRU
- FA5
- FA1/FA2
- FF02

SERIES		TECHNICAL SPECIFICATION		MOUNTING STYLES		CATALOG PAGE
JAE Ref	<b>IL-FPR / IL-FPRU</b>	No of contacts	5 to 50	Receptacle	Straight/Right Angle	43
Pitch	0.5mm	Current Rating	0.5 amp	Contact Type	Top and Bottom	
PCB Mounting Method	SMT	Operating Temp	-40 +85 degrees			
Packaging Options	Loose & Reeled	Contact Finish	Gold Plating	Rohs Comp	LOGO	
JAE Ref	<b>FA5</b>	No of contacts	6 to 50	Receptacle	Right Angle	41
Pitch	0.5mm	Current Rating	0.8 amp	Contact Type	Bottom	
PCB Mounting Method	SMT	Operating Temp	-40 +85 degrees			
Packaging Options	Loose & Reeled	Contact Finish	Gold Plating	Rohs Comp	LOGO	
JAE Ref	<b>FA1 / FA2</b>	No of contacts	5 to 30	Receptacle	Right Angle	40
Pitch	0.5mm	Current Rating	0.5 amp	Contact Type	Top and Bottom	
PCB Mounting Method	SMT	Operating Temp	-40 +85 degrees			
Packaging Options	Loose & Reeled	Contact Finish	Gold Plating	Rohs Comp	LOGO	
JAE Ref	<b>FF02</b>	No of contacts	21 to 90	Receptacle	Right Angle	38
Pitch	0.3mm	Current Rating	0.3 amp	Contact Type		
PCB Mounting Method	Solder SMT	Operating Temp	-40 +85 degrees			
Packaging Options	Loose & Reeled	Contact Finish	Gold Plating	Rohs Comp	LOGO	

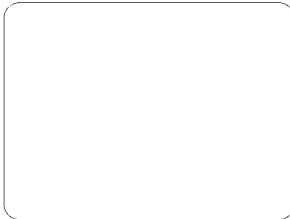
**I/O Input Output**



- DD1
- DA1
- TX20A
- DV2

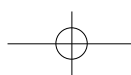
SERIES		TECHNICAL SPECIFICATION		MOUNTING STYLES		CATALOG PAGE
JAE Ref	<b>DD1</b>	No of contacts	30	Plug	Straight Cable	
Pitch	0.5mm	Current Rating	0.5 amp	Receptacle	Right Angle	
PCB Mounting Method	SMT / Solder Bucket	Operating Temp	-25 +75 degrees	Docking	Right Angle	
Packaging Options	Loose & Reeled	Contact Finish	Gold Plating	Rohs Comp	LOGO	
JAE Ref	<b>DA1</b>	No of contacts	10,18,26	Plug	Straight Cable	70
Pitch	0.6mm	Current Rating	0.5 amp	Receptacle	Right Angle	
PCB Mounting Method	SMT / Solder Bucket	Operating Temp	-25 +75 degrees	Docking	Right Angle	
Packaging Options	Loose & Reeled	Contact Finish	Gold Plating	Rohs Comp	LOGO	
JAE Ref	<b>TX20A</b>	No of contacts	10,14,26,36,50,68	Plug	Straight Cable	71
Pitch	1.27mm	Current Rating	0.5 amp	Receptacle	Right Angle	
PCB Mounting Method	SMT / Thru Hole /IDC	Operating Temp	-40 +80 degrees			
Packaging Options	Loose	Contact Finish	Gold Plating	Rohs Comp	LOGO	
JAE Ref	<b>DV2</b>	No of contacts	24, 29	Plug	Straight Cable	72
Pitch	1.905mm	Current Rating	1.5 amp	Receptacle	Right Angle /Straight	
PCB Mounting Method	Thru Hole / Solder Bucket	Operating Temp	-20 +85 degrees			
Packaging Options	Loose	Contact Finish	Gold Plating	Rohs Comp	LOGO	

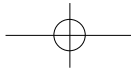
**Body/Chassis**







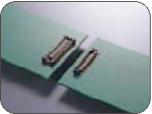
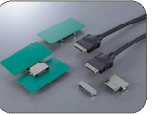
- IL-AG5/IL-AG9
- MX23A
- MX19
- MX34

SERIES		TECHNICAL SPECIFICATION		MOUNTING STYLES		CATALOG PAGE
JAE Ref	<b>IL-AG5 / IL-AG9</b>	No of contacts	4,5,6,7,10,14,16,18,22,30 / 2,3	Plug	Straight/Right Angle/Crimp	90 &101
Pitch	2.50mm	Current Rating	3.0 amp	Receptacle	Crimp	
PCB Mounting Method	Solder Thru Hole /Crimp	Operating Temp	-40 +85 degrees			
Packaging Options	Loose	Contact Finish	Tin	Rohs Comp	LOGO	
JAE Ref	<b>MX23A waterproof</b>	No of contacts	12,18,26,34	Plug	Right Angle	99
Pitch	2.50mm	Current Rating	3.0 amp	Receptacle	Crimp	
PCB Mounting Method	Solder Thru Hole /Crimp	Operating Temp	-40 +85 degrees			
Packaging Options	Loose	Contact Finish	Tin	Rohs Comp	LOGO	
JAE Ref	<b>MX19 waterproof</b>	No of contacts	2,(3) &4	Plug	Straight /Right Angle	98
Pitch	2.50mm	Current Rating	3.0 amp	Receptacle	Crimp	
PCB Mounting Method	Crimp	Operating Temp	-40 +85 degrees			
Packaging Options	Loose	Contact Finish	Tin	Rohs Comp	LOGO	
JAE Ref	<b>MX34</b>	No of contacts	12,16,20,24,28,32,36,40	Plug	Straight /Right Angle	105
Pitch	2.20mm	Current Rating	3.0 amp	Receptacle	Crimp	
PCB Mounting Method	Solder Thru Hole /Crimp	Operating Temp	-40 +85 degrees			
Packaging Options	Loose	Contact Finish	Tin	Rohs Comp	LOGO	

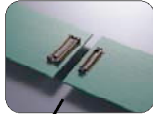


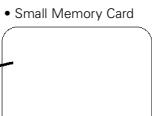






**PDA**

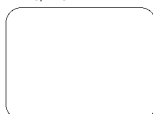
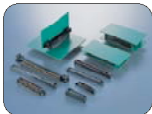
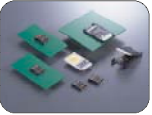

- Memory Card 
- Small Memory Card 
- SIM Card 
- FPC/FFC 
- Board to Board 
- Interface 

**Mobile Phone**

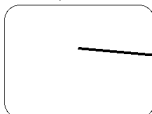
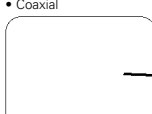

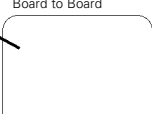
- Board to Board 
- LCD/Camera 
- SIM Card 
- Small Memory Card 
- Interface 




**Hand Held Terminals**

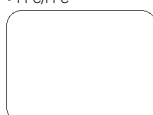
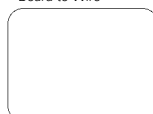
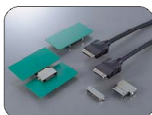

- FPC/FFC 
- Board to Board 
- SIM Card 
- Interface 

**Network**






- Fibre Optic 
- Coaxial 
- Backplane 
- High speed Board to Board 



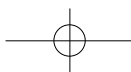
**Instrumentation**

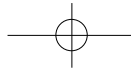
- FPC/FFC 
- Board to Wire 
- Interface 
- Board to Board 

**Security**

- Coaxial 
- FPC/FFC 
- Board to Board 
- Board to Cable 
- Interface 

**Local Distributor:**





**Industrial Equipment**

- Circulars
- Circulars
- Board to Cable
- Board to Board

**Medical Equipment**

- FPC/FFC
- Smart Card
- Micro-circular and DVI
- High speed Board to Board

**Automotive**

- Safety
- Power Train
- Body/Chassis
- Information/Communication

**Digital Set Top Box**

- Smart Card
- Board to Board
- Board to Cable
- Board to Cable
- FPC/FFC

**Display**

- High speed FPC
- Board to Cable
- FPC/FFC
- Digital Interface

**Digital Camera**

- FPC/FFC
- Board to Board
- Small Memory Card
- Interface

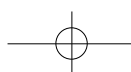
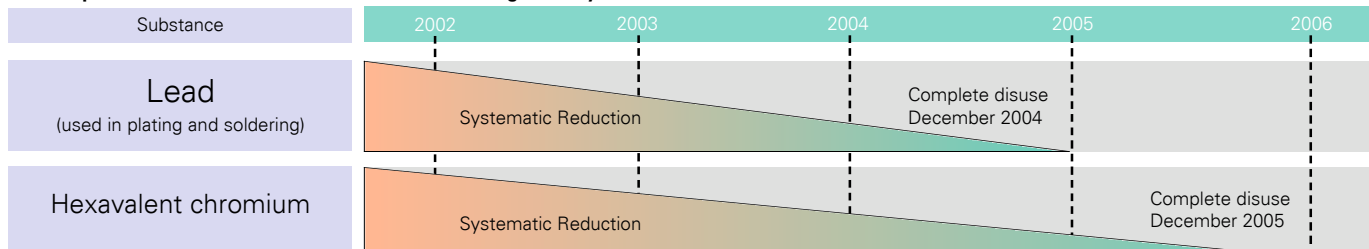
AA01A  
 KX14/KX15  
 IL-WX  
 TX24/TX25  
 IL-FPR/IL-FPRU  
 FAS  
 FA1/FA2  
 FR02  
 DD1 DA1  
 TX20A DV2  
 JC26C SF2/SF7  
 MM50 SG5/SG1

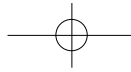
**Elimination of Lead and Other Hazardous Substances**

Since FY 2001, all new connectors developed by the JAE Group have been lead-free. In order to completely phase out lead by the end of FY 2004, the JAE Group is converting all of its existing products (except for FPC and FFC fine pitch connectors) to lead-free specifications in response to customer requirements. The JAE Group has also taken an industry-leading role in addressing whisker problems faced by the connector industry.

The Graph below shows the JAE Group's roadmap for eliminating the use of chemical substances designated by the EU's RoHS Directive\*. The company is taking positive steps to reduce its environmental impact by placing a priority on meeting the requirements of its customers and closely monitoring advancements in technology.

**Roadmap for Elimination of Hazardous Substances Designated by RoHS Directive**



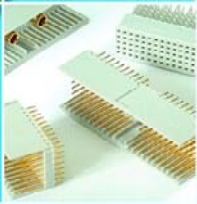
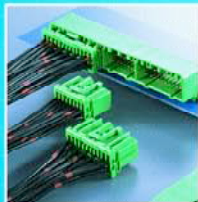
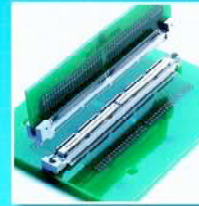


**JAE Europe Ltd**  
Coliseum Business Centre,  
Riverside Way,  
Camberley, Surrey  
GU15 3YL, UK

**PHONE:** +44 (0) 1276 404003  
**FAX:** +44 (0) 1276 404010  
**EMAIL:** sales@jae.co.uk  
**WEB:** www.jae-europe.com



Ever since it was established in 1953, Japan Aviation Electronics Industry Limited has operated with the corporate philosophy "Explore, Create and Practice" and in the process it cultivated a high level of technological expertise.



JAE's diverse products include electronic devices from connectors to aerospace electronic equipment, optics-related products and various other types of machinery and equipment to meet the customer's needs. We have always been at the leading edge of technology. We are highly ranked in a number of fields because of our expertise in integrated electronic technology accumulated over a number of years which results in continual leading edge product development.