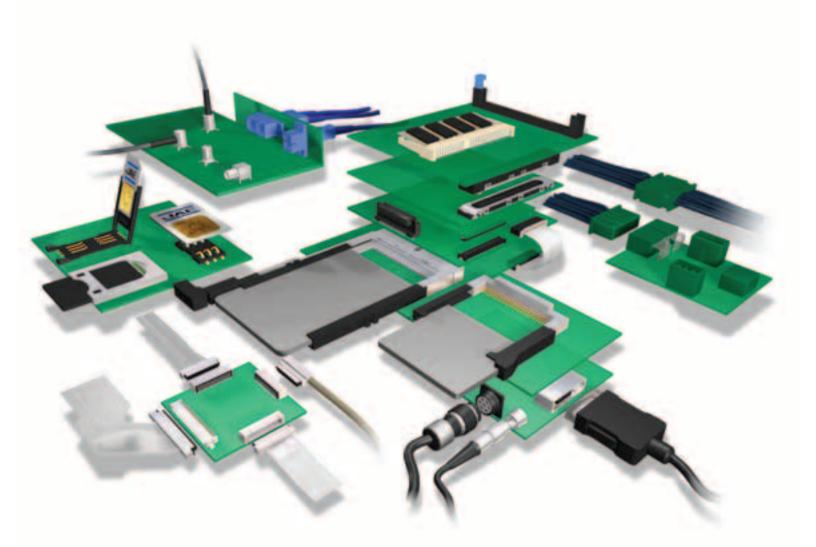
Preferred Connector Products JAE

Technology to Inspire Innovation





JAE Electronics, Inc. For Additional Information Visit www.jae-connector.com

Introduction

apan Aviation Electronics Industry, Ltd. (JAE) is an international manufacturer and supplier of electronic components and systems. For over four decades, JAE has provided the electronics industry with solutions to complex design requirements. Since its founding, the Company has strived to contribute to society through market-driven, technology-based global business operations under the philosophy: "Technology to Inspire Innovation."

With worldwide and world-class manufacturing certified to ISO 9001 and QS 9000, JAE has made the commitment to meet the global requirements of our customer. In addition to a network of state of the art manufacturing facilities, JAE has technical service offices located around the world, staffed with experts in connector design and application.

This catalog contains a select overview of JAE Connector Products. For in-depth information on our complete product line, and information on new developments, visit JAE's online catalog at www.jae-connector.com.

Innovative design, quality oriented manufacturing, commitment to our customers and sensitivity to the environment assures JAE's leadership position in the 21st century.



Table of Contents

		Table of Contents	
	Product Series	Contact Spacing	Pages
SOCKETS/N	MEMORY PRODUCTS		
	PCMCIA		
		1.27mm (.050")	5
	COMPACT FLASH		
	JC26C2	1.27mm (.050")	6 - 7
	JC26E	1.27mm (.050")	8
	JC26F	1.27mm (.050")	9
	PCI EXPRESS MINI CARD		
		0.8mm (.031")	10
	IVIIVI0U	0.811111 (.031)	10
	EXPRESSCARD		
	PX10/11	1.0mm (.039")	11 - 12
		1.0mm (.039") / 0.635mm (.025")	
	SMART/SIM CARD		
		2.54mm (.100")	15
		2.54mm (.100")	
		2.54mm (.100")	
		2.54mm (.100")	
		2.54mm (.100)	
		2.54mm (.100)	
		\	20
	SECURE DIGITAL CARD	0.50 (.000))	0.1
	SG5	2.50mm (.098")	21
	MINI SECURE DIGITAL CARD (S	SD)	
		1.1mm (.043")	22
		2.50mm (.098")	
		, ,	
	MICRO SD/TRANSFLASH™	4.4 (0.40))	
		1.1mm (.043")	
	\$12	1.1mm (.043")	25
D	-Board Connector Produc		
DUAKD-10-		315	
	BOARD-TO-BOARD		
		0.40mm (.020")	
		0.40mm (.020")	
		0.40mm (.020")	
		0.50mm (.020 ")	
		0.80mm (.031")	
		0.80mm (.031")	
		0.80mm (.031")	
		1.00mm (.039)	
		1.00mm (.039)1.27mm (.050")	
	1 \(\Lambda 24 \) \(\Lambda 2 \)	1.2/11111 (.000)	40



Table of Contents

BOARD-TO-BOARD CONNECTOR PRODUCTS	Pı	roduct Series	Contact Spacing	Pages
PCB-T0-FPC/FFC FB3.	Board-to-Bo	ARD CONNECTOR	Products	
FB3	W	/IRE-TO-BOARD		
FB3				
FB6			0.30mm (.012")	41
FF02				
FF02S				
FB8	FF	- 02	0.30mm (.012")	44
FA5	FF	-02S	0.30mm (.012")	45
FF03	FE	38	0.30mm (.012")	46
IL-FPR				
PCB-T0-CABLE/FPC FI-J	FF	-03	0.50mm (.020")	48
FI-J	IL	-FPR	0.50mm (.020")	49
FI-R	P	CB-TO-CABLE/FPC		
FI-X	FI	-J	0.40mm (.016")	50 - 51
FI	FI	-R	0.50mm (.020")	52 - 53
PCB-TO-CABLE DX2/3	FI	-X	1.00mm (.039")	54 - 55
DX2/3	FI		1.25mm (.049")	56 - 58
FI-E. 1.00mm (.039") 66 CN10 66 CV10 1L-Z 1.25mm (.049") 61 IL-S 2.00mm (.079") 65 LY 2.00mm (.079") 75 KD10/20 2.00mm (.079") 1L-G 2.50mm (.098") 75 DD2 0.50mm (.020") 74 DG1 0.50mm (.020") 75 DG1 0.50mm (.020") 10 RA1 0.50mm (.020") 10 RC1 0.50mm (.020") 10 RC1 0.50mm (.020") 10 DA1 0.60mm (.020") 10 DA1 0.60mm (.024") 10 DE1 1.27mm (.050") 10 TX20A 1.27mm (.050") 10	P	CB-TO-CABLE		
CN10	D:	X2/3	0.80mm (.031")	59
CV10	FI	-E	1.00mm (.039")	60 - 61
IL-Z.	C	N10		62 - 63
IL-S	C,	V10		64
LY	IL	-Z	1.25mm (.049")	65 - 66
KD10/20	IL	-S	2.00mm (.079")	67 - 68
IL-G	LY	¹	2.00mm (.079")	69
INPUT/OUTPUT CONNECTOR PRODUCTS PCB-TO-CABLE DD1	K	D10/20	2.00mm (.079")	70
PCB-TO-CABLE DD1 0.50mm (.020") 72 DD2 0.50mm (.020") 74 DG1 0.50mm (.020") 8A1 RC1 0.50mm (.020") 0.50mm (.020") DA1 0.60mm (.024") 0.50mm (.050") TX20A 1.27mm (.050")	IL	-G	2.50mm (.098")	71
PCB-TO-CABLE DD1 0.50mm (.020") 72 DD2 0.50mm (.020") 74 DG1 0.50mm (.020") 8A1 RC1 0.50mm (.020") 0.50mm (.020") DA1 0.60mm (.024") 0.50mm (.050") TX20A 1.27mm (.050")	Імрит/Оитрит	CONNECTOR PRO	DUCTS	
DD2 0.50mm (.020") 74 DG1 0.50mm (.020") RA1 0.50mm (.020") RC1 0.50mm (.020") DA1 0.60mm (.024") DE1 1.27mm (.050") TX20A 1.27mm (.050")	-			
DD2 0.50mm (.020") 74 DG1 0.50mm (.020") RA1 0.50mm (.020") RC1 0.50mm (.020") DA1 0.60mm (.024") DE1 1.27mm (.050") TX20A 1.27mm (.050")	D	D1	0.50mm (.020")	72 - 73
DG1				
RC1				
DA1	R	Α1	0.50mm (.020")	77
DE1	R	C1	0.50mm (.020")	78
TX20A1.27mm (.050")	D.	A1	0.60mm (.024")	79
	D	E1	1.27mm (.050")	80
	T	K20A	1.27mm (.050")	81
·				
CIRCULAR	C	IRCULAR		
JN18				85 - 86
JN28	JI	V2		87 - 88
JB5	JI	B5		89



Table of Contents

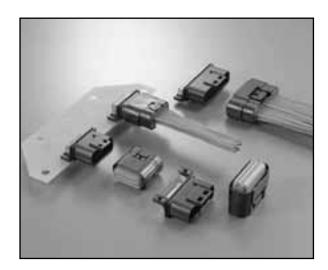
	Product Series	Contact Spacing	Pages
INPUT/	OUTPUT CONNECTOR PRODU	стѕ	
	CIRCULAR		
			90 - 91
	JL05		92 - 93
	JB1		94 - 95
	SRCN		96 - 97
	N/MS		98 - 99
Fiber (OPTIC PRODUCTS		
	FO-FC		100
	F0-EX		101
А итом	OTIVE CONNECTOR PRODUCT	rs	
	PCB-TO-CABLE		
	MX34	1.1mm (.043")	102
	MX7	2.30mm (.091")	103
	IL-AG7	2.50mm (.098")	104
		2.50mm (.098")	
	MX23A	2.50mm (.098")	107 - 108
	MX10	2.50mm (.098")	109
	MX5	3.00mm (.118")	110
	PCB-TO-CABLE/CABLE-TO	O-CABLE	
	IL-AG5	2.50mm (.098")	111
	IL-AG6	2.50mm (.098")	112
	MX9	3.50mm (.138")	113
	MX25	6.7mm (2.64")	114
	MX36	2.50mm (.098")	115
	CABLE-TO-CABLE		
		2.50mm (.098")	116 - 118
		2.50mm (.098")	

- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this catalog are made for the applications specified. However, if the above-mentioned products are to be
 used in aerospace devices, marine cable-connection devices, atomic power control systems, medical equipment for lifesupport systems, or any other specific application requiring extremely high reliability, please contact JAE for further
 information. Recommended Applications: Computers, Office Machines, Measuring Devices, Telecommunications Devices
 (Terminals, Mobile Devices) AV Devices, Household Applications, FA Devices, etc.
- Refer to end of catalog for alphabetical index of products.



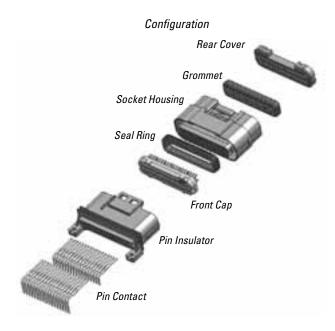
MX23A SERIES CONNECTORS

2.50mm (.098") Contact Spacing, Compact Type Low-profiled Waterproof Connector



FEATURES

- Low profiled type with board mounting height of 18.3mm (.72") and socket connector height of 22.2mm (.81") max.
- High reliabilty double fin structure is adopted for the socket contact and a large front edge chamfer prevents the grommet from damage
- Incomplete insertion of socket contact into its housing can be easily detected
- Full waterpoof grommet is used for socket contact crimping area in order to reduce size
- Water protection sealing ring is used in the connector's mating area. It offers complete protection from hands touching the insulator wall
- Reverse type pin connector (pins facing up) is also available



• • • • • • • • • • • •

The MX23A connector can be used for wide range of waterproof equipment including automobiles, motorcycles etc. This connector has a waterproof structure. It is sealed in its mating area and by a grommet in its wire crimping area for full protection against water. A reverse type pin connector (with pins facing up) is also available for applications requiring different mountings.

GENERAL SPECIFICATIONS

Number of Contacts	12, 18, 26, 34, 36 pos. (Pin side 2 types: reverse and standard)
Contact Spacing	2.50mm (.098")
Contact Resistance	10 milliohm max.
Dielectric Withstanding Voltage	1000VAC r.m.s for one minute
Operating Temperature	-40°C to +125°C including temperature rise caused by power distribution
Rated Current	3A
Insulation Resistance	100 megohm min.
Rated Life	50 Cycles

Applicable Wire

Cable Type	AVSS, AVS (partially)
Cross Section of Conductor	0.3 to 1.25mm ²
A.W.G. No.	#22 to 16
Sheath Diameter	1.6 dia. to 2.2 dia. mm

MATERIALS AND FINISHES

Components	Materials/Finishes
Socket Housing	Glass Filled PBT
Front Cap	Glass Filled PBT
Rear Cover	Glass Filled PBT
Grommet	Silicon Rubber
Seal Ring	Silicon Rubber
Dummy Pin	Glass Filled PBT
Pin Insulator	Glass Filled PBT
Contacts	Pin: Copper Alloy/Tin Plating Socket: Copper Alloy/Tin Plating
	Occurs Copper / moy/ min i dunig

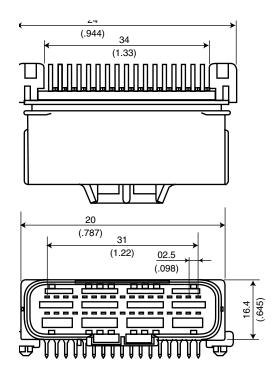
 ${\bf Consult\ JAE\ for\ "Ordering\ Information"}.$



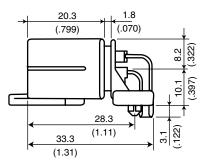
MX23A SERIES CONNECTORS

-2.50mm (.098") Contact Spacing, Compact Type Low-profiled Waterproof Connector-

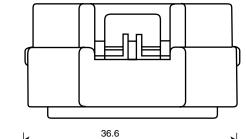
Pin Connector (Reverse)



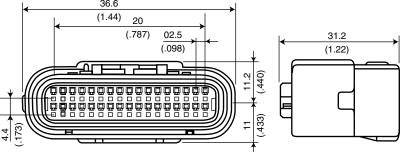
	Α	В	С	D
12 pos	30.5 (1.20)	16.5 (0.65)	26.5 (1.04)	12.5 (0.49)
18 pos	38 (1.50)	24 (0.94)	34 (1.34)	20 (0.79)
26 pos	48 (1.90)	34 (1.34)	44 (1.73)	30 (1.18)
34 pos	58 (2.28)	44 (1.73)	54 (2.12)	40 (1.57)



Socket Housing



	D	F
12 pos.	12.5 (0.49)	29.1 (1.14)
18 pos	20 (0.79)	36.6 (1.44)
26 pos.	30 (1.18)	46.6 (1.83)
34 pos.	40 (1.57)	56.6 (2.23)







"Building Technologies to Connect Your World"



Printed in the U.S.A. 10M807TA SF3

Japan Aviation Electronics Industry, Limited

1-19, Aobadai 3-chome, Meguro-ku

Tokyo 153-8539, Japan Telephone: 03-3780-2736

Fax: 03-3780-2883

JAE Electronics, Inc.

142 Technology Drive, Suite 100 Irvine, California 92618-2430, U.S.A.

Telephone: 949-753-2600 Fax: 949-753-2699

800-523-7278 Toll free in the U.S.A.

JAE Europe

Coliseum Business Centre Riverside Way, Camberley Surrey, GU15 3YL, England Telephone: 44-1276-404000

Fax: 44-1276-404010

JAE Taiwan, Ltd.

4F-1, No. 88, Chung Hsiao E. Rd. Sec. 2, Taipei, Taiwan, R.O.C. Telephone: 886-2-2396-7676

Fax: 886-2-2392-5929

JAE Hong Kong, Ltd.

Suites 1407-11, 14/F, Tower 2, The Gateway, 25 Canton Road, Tsimshatsui, Kowloon, Hong Kong

Telephone: 852-2723-7782 Fax: 852-2723-9028

JAE Korea, Inc.

1602, Korea City Air Tower 159-9 Samsung-Dong, Kangnam-ku Seoul, 135-973, Korea Telephone: 82-2-551-8959

Fax: 82-2-551-8958

JAE Philippines, Inc.

PEZA Zone, Gateway Business Park, Javalera General Trias, 4107 Cavite, Philippines

Telephone: 63-46-433-0285 Fax: 63-46-433-0287

JAE Singapore Pte., Ltd.

33 Tannery Lane, #02-01 Hoesteel Industrial Building Singapore 347789

Telephone: 65-6748-1332

Fax: 65-6748-2920

JAE Shanghai Co., Ltd.

RM 1407, Shanghai Mart 2299 Yanan Rd.

West Shanghai 200336 P.R.C. Telephone: 86-21-6236-0322

Fax: 86-21-6236-1292