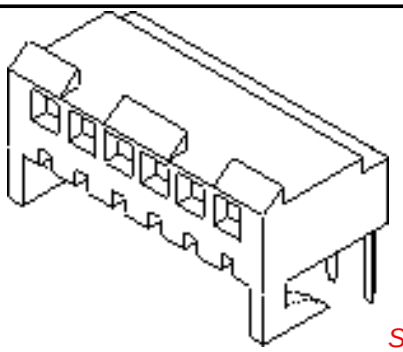
This document was generated on 06/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0026116114
Status: Active
Overview: kk
Description: 3.96mm (.156") Pitch KK® PC Board Connector, Right Angle, Nylon Connector, 1.0µm (40µ") Tin (Sn), 11 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-99020-0087 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Receptacles
Series	3215
Application	Board-to-Board
Overview	kk
Product Name	KK®

Physical

Circuits (Loaded)	11
Color - Resin	Natural
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.145 In
PC Tail Length (mm)	3.68 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag, Tray
Pitch - Mating Interface (in)	0.156 In
Pitch - Mating Interface (mm)	3.96 mm
Plating min: Mating (µin)	40.00
Plating min: Mating (µm)	1.000
Plating min: Termination (µin)	40.00
Plating min: Termination (µm)	1.00
Polarized to PCB	Yes
Temperature Range - Operating	0°C to +75°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	5A
Voltage - Maximum	250V

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)

Material Info

Old Part Number	3215HR11AA

Reference - Drawing Numbers

Product Specification	PS-99020-0087

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

China RoHS

Need more information on product environmental compliance?

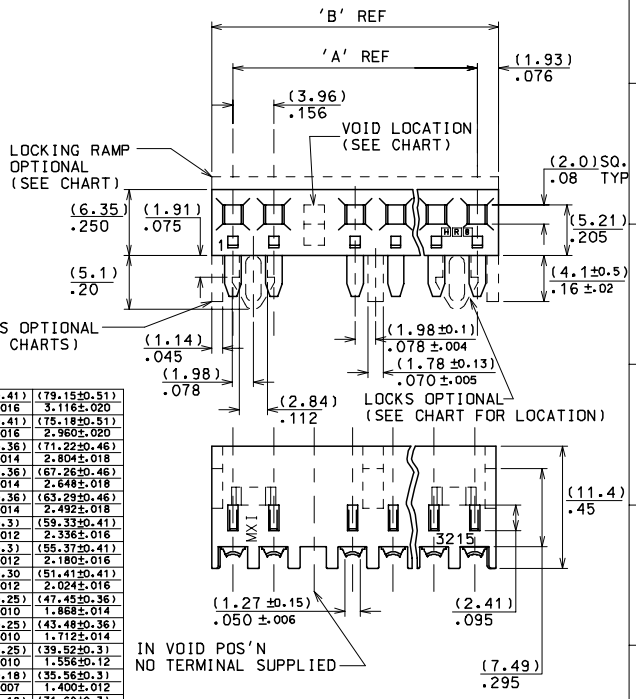
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
3215Series

This document was generated on 06/08/2010

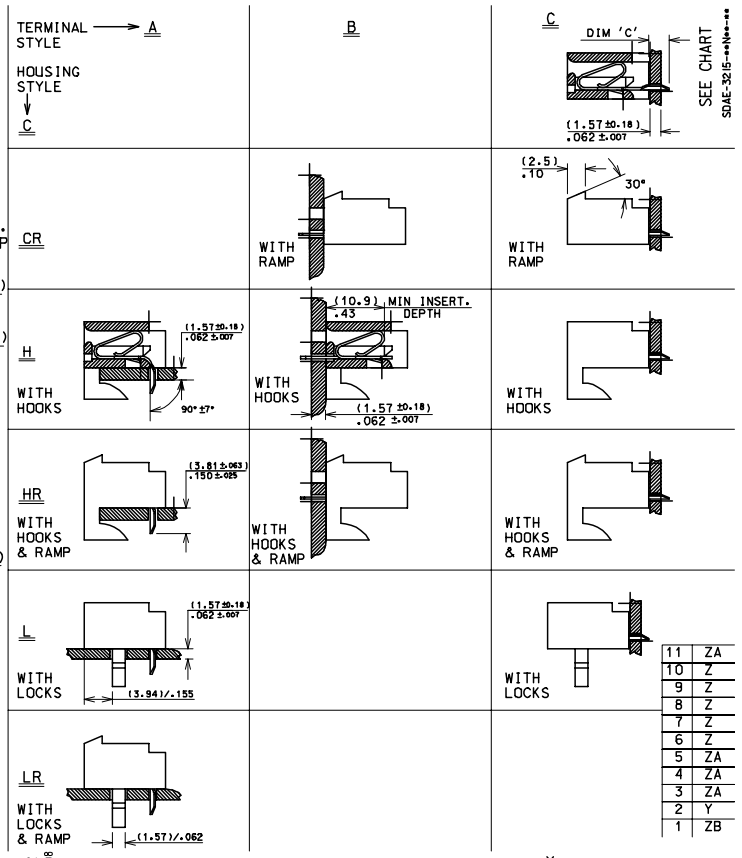
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



No OF CCTS	DIM. 'A'	DIM. 'B'
20	(75.29±0.41) 2.964±.016	(79.15±0.51) 3.116±.020
19	(71.32±0.41) 2.808±.016	(75.18±0.51) 2.960±.020
18	(67.36±0.36) 2.652±.014	(71.22±0.46) 2.804±.018
17	(63.40±0.36) 2.496±.014	(67.26±0.46) 2.648±.018
16	(59.44±0.36) 2.340±.014	(63.29±0.46) 2.492±.018
15	(55.47±0.3) 2.184±.012	(59.33±0.41) 2.336±.016
14	(51.51±0.3) 2.028±.012	(55.37±0.41) 2.180±.016
13	(47.55±0.30 1.872±.012	(51.41±0.41) 2.024±.016
12	(43.59±0.25) 1.716±.010	(47.45±0.36) 1.868±.014
11	(39.62±0.25) 1.560±.010	(43.48±0.36) 1.712±.014
10	(35.66±0.25) 1.404±.010	(39.52±0.3) 1.556±0.12
9	(31.70±0.18) 1.248±.007	(35.56±0.3) 1.400±.012
8	(27.74±0.18) 1.092±.007	(31.60±0.3) 1.244±.012
7	(23.77±0.18) .9360±.007	(27.64±0.3) 1.088±.012
6	(19.81±0.13) .7800±.005	(23.67±0.25) .9320±.101
5	(15.85±0.13) .6240±.005	(19.71±0.25) .7760±.010
4	(11.89±0.13) .4680±.005	(15.75±0.25) .6200±.010
3	(7.92±0.13) .312±.005	(11.79±0.25) .4640±.010

NOTES:

1. THESE ASSEMBLIES STACKABLE END TO END ON (3.96)/.156 CENTRE TO CENTRE PROGRESSION.
2. FOR CHARTS & PANEL DRILLING DETAILS SEE SHEET 2 AND SUBSEQUENT SHEETS.
3. TERMINAL PULL OUT FORCE- 4lbs MIN.
4. TERMINALS ARE LUBRICATED WITH MX1-3.
5. CONNECTORS FOR USE WITH (1.14)/.045 SQ. OR RD. PINS
6. THIS PART CONFORMS TO PROD.SPEC.99020-0087



11	ZA
10	Z
9	Z
8	Z
7	Z
6	Z
5	ZA
4	ZA
3	ZA
2	Y
1	ZB

REVISION UP-DATE E2004-0792 PSHEAHAN 04/03/08

4 : 1 ×

G. HART 24/11/82

M GOONEY 26/11/98

MWILHITE 26/11/98

1/2

SE32151 .DGN SEE CHART SDAE-3215-**N**-** 1 OF 11

CONNECTOR, K-K (3.96)/.156 WITH OR WITHOUT LOCKING WITH P.C. TAIL TERMINALS

25 010
36 014

ZB

SHT. 1 OF 1 | MR1-SDAE-3215-**N**-**

MODIFICATION RECORD INDEX

ECN	ISS.	DATE	INIT.	SHTS. AFFECTED	DESCRIPTION OF MOD.
MESL-077	F	2 .12.82	GH	ALL	REDRAW
MEML-112	G	26.4 .83	GH	ALL	REVISION
MEML-594	H	6 .6 .83	GH	ALL	VARIOUS
MEML-608	J	21.6 .83	GH	ALL	VARIOUS
MEML-681	K	31.8 .83	MAL	ALL	VARIOUS
MEML-901	L	25.6 .84	MC	ALL	VARIOUS
MEML-382	M	2 .10.84	MC	ALL	VARIOUS
MEML-509	N	29.5 .85	MC	ALL	VARIOUS
MEML-510	P	31.5 .85	MC	ALL	VARIOUS
MEML-1162	R	25.11.85	JP	ALL	VARIOUS
MEML-617	S	9 .1 .86	MC	ALL	VARIOUS
MEML-625	T	20.1 .86	MC	ALL	VARIOUS
E10010	U	11.1 .91	POB	ALL	VARIOUS
E10018	V	18.1 .91	POB	ALL	VARIOUS
E50203	W	08.12.94	JS	ALL	VARIOUS
E90137	Y	1.11.98	TM	ALL	REDRAWN ON CAD
E2001-0463	Z	1.11.00	MF	1,3,4,5,6,7,8,9,10,11	UPDATED BORDER
E2003-0992	ZA	03.05.29	PS	1	NEW PROD.SPEC.99020-0087 ADDED

MOLEX EUROPE | REVISE ONLY ON CAD SYSTEM

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CADCAM FILENAME SE32151 .DGN | ISSUE ZA

PART No.	ENG No.	No. OF CCTS	LOCK RAMP	VOID CCT POS'N	CENTRE HOOK LOCATED BETWEEN CCT No's
26-11-2036	AE-3215-H3AA	3	NO	NONE	———
-2046	-H4AA	4			———
-2056	-H5AA	5			———
-2066	-H6AA	6			———
-2076	-H7AA	7			———
-2086	-H8AA	8			4&5
-2096	-H9AA	9			4&5
-2106	-H10AA	10			5&6
-2116	-H11AA	11			5&6
-2126	-H12AA	12			4&5 8&9
-2136	-H13AA	13			4&5 9&10
-2146	-H14AA	14			5&6 9&10
-2156	-H15AA	15			5&6 10&11
-2166	-H16AA	16			6&7 11&12
-2176	-H17AA	17			6&7 11&12
-2186	-H18AA	18			6&7 10&11 15&16
-2196	-H19AA	19			5&6 10&11 15&16
26-11-2206	AE-3215-H20AA	20	NO	NONE	5&6 10&11 15&16
26-11-2069	AE-3215-H6AA-51	6	NO	3&4	———
26-11-2130	AE-3215-H13AA-7	13	NO	7	4&5 9&10

HOUSING.
STYLE- H

TERMINAL.
STYLE- A

DRILLING DETAIL 'A'
(SEE SHT.2)

PART No.	ENG No.	No. OF CCTS	LOCK RAMP	VOID CCT POS'N	CENTRE HOOK LOCATED BETWEEN CCT No's
26-11-6034	AE-3215-HR3AA	3	YES	NONE	———
-6044	-HR4AA	4			———
-6054	-HR5AA	5			———
-6064	-HR6AA	6			———
-6074	-HR7AA	7			———
-6084	-HR8AA	8			4&5
-6094	-HR9AA	9			4&5
-6104	-HR10AA	10			5&6
-6114	-HR11AA	11			5&6
-6124	-HR12AA	12			4&5 8&9
-6134	-HR13AA	13			4&5 9&10
-6144	-HR14AA	14			5&6 9&10
-6154	-HR15AA	15			5&6 10&11
-6164	-HR16AA	16			6&7 11&12
-6174	-HR17AA	17			6&7 11&12
-6184	-HR18AA	18			6&7 10&11 15&16
-6194	-HR19AA	19			5&6 10&11 15&16
26-11-6204	AE-3215-HR20AA	20	YES	NONE	5&6 10&11 15&16
26-11-6057	AE-3215-HR5AA-51	5	YES	2&4	———
38-00-0321	AE-3215-HR13AA-51	13	YES	2 4 6 8 10 12	4&5 9&10
26-11-8065	AE-3215-HR6AA-51	6	YES	3&4	———
26-11-8137	AE-3215-HR13AA-7	13	YES	7	4&5 9&10

HOUSING.
STYLE- HR

TERMINAL.
STYLE- A

DRILLING DETAIL 'A'

PART No.	ENG No.	No. OF CCTS	LOCK RAMP	VOID CCT POS'N	CENTRE HOOK LOCATED BETWEEN CCT No's
26-11-2045	AE-3215-L4AA	4	NO	NONE	1&2 3&4
2055	-L5AA	5			1&2 4&5
-2065	-L6AA	6			1&2 5&6
-2075	-L7AA	7			1&2 6&7
-2085	-L8AA	8			1&2 7&8
-2095	-L9AA	9			1&2 5&6 8&9
-2105	-L10AA	10			1&2 5&6 9&10
-2115	-L11AA	11			1&2 6&7 10&11
-2125	-L12AA	12			1&2 6&7 11&12
-2135	-L13AA	13			1&2 6&7 12&13
-2145	-L14AA	14			1&2 7&8 13&14
-2155	-L15AA	15			1&2 7&8 14&15
-2165	-L16AA	16			1&2 7&8 15&16
-2175	-L17AA	17			1&2 7&8 16&17
-2185	-L18AA	18			1&2 8&9 17&18
-2195	-L19AA	19			1&2 8&9 18&19
26-11-2205	AE-3215-L20AA	20	NO	NONE	1&2 9&10 19&20

HOUSING.
STYLE- L

TERMINAL.
STYLE- A

DRILLING DETAIL 'C'

PART No.	ENG No.	No. OF CCTS	LOCK RAMP	VOID CCT POS'N	CENTRE HOOK LOCATED BETWEEN CCT No's
26-13-3042	AE-3215-LR4AA	4	YES	NONE	1&2 3&4
-3052	-LR5AA	5			1&2 4&5
-3062	-LR6AA	6			1&2 5&6
-3072	-LR7AA	7			1&2 6&7
-3082	-LR8AA	8			1&2 7&8
-3092	-LR9AA	9			1&2 5&6 8&9
-3102	-LR10AA	10			1&2 5&6 9&10
-3112	-LR11AA	11			1&2 6&7 10&11
-3122	-LR12AA	12			1&2 6&7 11&12
-3132	-LR13AA	13			1&2 6&7 12&13
-3142	-LR14AA	14			1&2 7&8 13&14
26-13-3152	-LR15AA	15			1&2 7&8 14&15
NOT TOOLED	-LR16AA	16			1&2 7&8 15&16
	-LR17AA	17			1&2 7&8 16&17
	-LR18AA	18			1&2 8&9 17&18
	-LR19AA	19			1&2 8&9 18&19
NOT TOOLED	AE-3215-LR20AA	20	YES	NONE	1&2 9&10 19&20

PART NO. SEE CHART
DWG NO. SDAE-3215-**N**-**

HOUSING.
STYLE- LR

TERMINAL.
STYLE- A

DRILLING DETAIL 'C'

PRE-RELEASE REFERENCE USE ONLY

MATERIAL:

HOUSING- NYLON, 94V-2, COLOUR- NATURAL
TERMINAL- PHOS. BR, PLATING- (P902)
HOT/TIN DIP 1-2.5um (.000040"-.000100")

NOTES:

1. TERMINAL MUST MEET MOLEX SOLDERABILITY SPEC. No. 152.

LEAD FREE CONVERSION
EC NO. E2004-0792
DRWN: PSHEAHAN 04/03/11
CH'K:
APPR:
ZA
DESCRIPTION
REV

QUALITY SYMBOLS
MAJOR ▼ =
CRITICAL ▽C = =

GENERAL TOLERANCES: (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.
2 PLACES	±0.	±.
1 PLACE	±0.	±.
ANGULAR: ± 1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE :
DESIGN UNITS ☒mm ☐INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☒ mm INCH ☐ INCH mm ☐ mm ONLY
SHT REV
REVISE ON CAD ONLY

DRAWN BY & DATE G. HART 24/11/82
CHECKED BY & DATE M GOONEY 26/11/98
APPROVED BY & DATE MWILHITE 26/11/98
CAD FILENAME SE32153.DGN

TITLE: CONNECTOR, K-K (3.96)/.156 WITH OR WITHOUT LOCKING WITH P.C. TAIL TERMINALS

MOLEX INCORPORATED

MATERIAL NO. SEE CHART
DRAWING NO. SDAE-3215-**N**-**
SHEET NO. 3 OF

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7133-1283