

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0026116125](#)
Status: **Active**
Overview: [kk](#)
Description: 3.96mm (.156") Pitch KK® PC Board Connector, Bottom Entry, Nylon Connector, 1.0µm (40µ") Tin (Sn), 12 Circuits

Documents:

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

General

Product Family PCB Receptacles
 Series [3215](#)
 Application Board-to-Board
 Overview [kk](#)
 Product Name KK®

Physical

Circuits (Loaded) 12
 Color - Resin Natural
 Glow-Wire Compliant No
 Keying to Mating Part Yes
 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 Bottom Entry
 PC Tail Length (in) 0.160 In
 PC Tail Length (mm) 4.06 mm
 PCB Locator No
 PCB Retention None
 PCB Thickness Recommended (in) 0.062 In
 PCB Thickness Recommended (mm) 1.60 mm
 Packaging Type Bag
 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 No
 Temperature Range - Operating 0°C to +75°C
 Termination Interface: Style Through Hole

Electrical

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

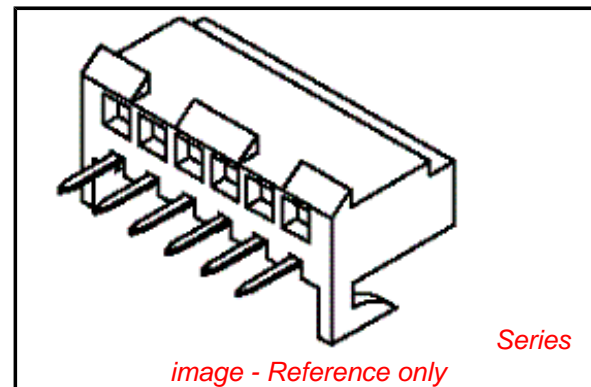
Solder Process Data

Lead-free Process Capability Wave Capable (TH only)

Material Info

Old Part Number 3215HR12BB

Reference - Drawing Numbers



EU RoHS

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

China RoHS



Not Reviewed

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

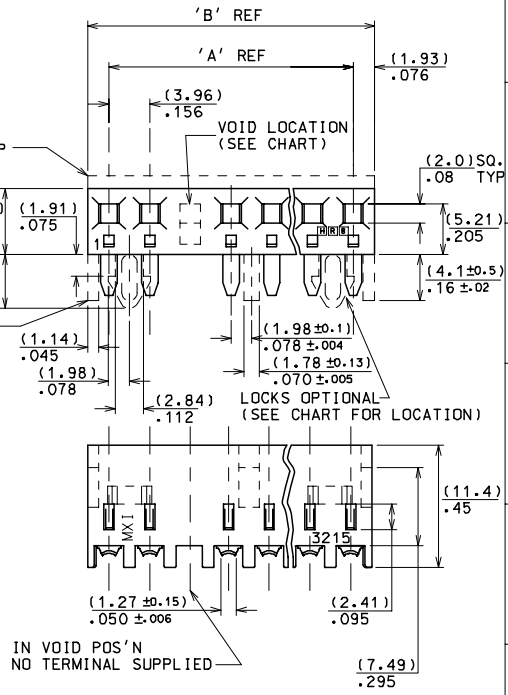
[3215Series](#)

This document was generated on 06/08/2010

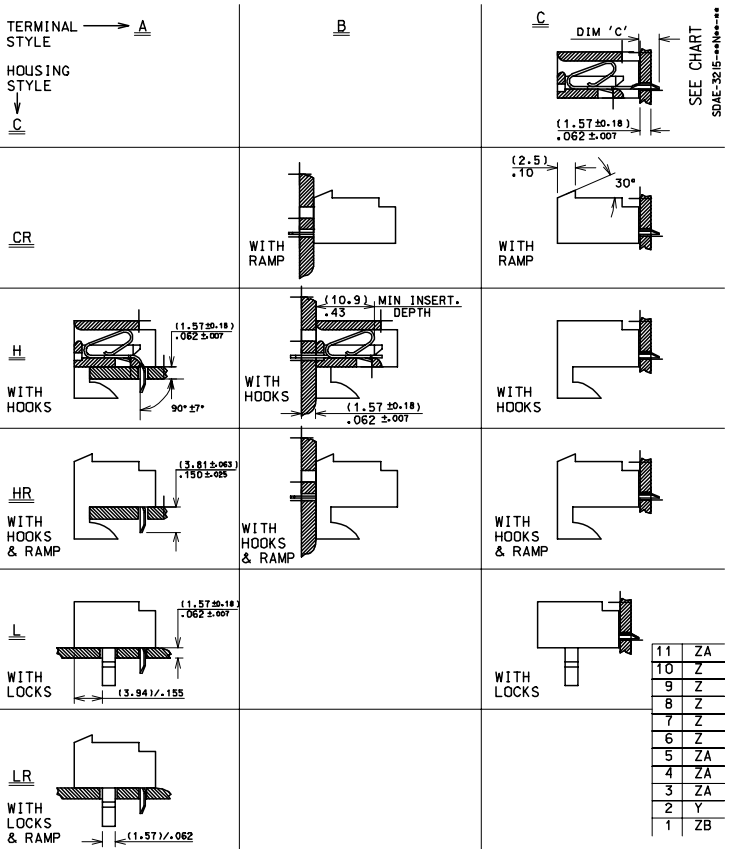
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

20	(75.29±0.41)	(79.15±0.51)
	2.964±.016	3.116±.020
19	(71.32±0.41)	(75.18±0.51)
	2.808±.016	2.960±.020
18	(67.36±0.36)	(71.22±0.46)
	2.652±.014	2.804±.018
17	(63.40±0.36)	(67.26±0.46)
	2.496±.014	2.648±.018
16	(59.44±0.36)	(63.29±0.46)
	2.340±.014	2.492±.018
15	(55.47±0.33)	(59.33±0.41)
	2.184±.012	2.336±.016
14	(51.51±0.33)	(55.37±0.41)
	2.028±.012	2.180±.016
13	(47.55±0.30)	(51.41±0.41)
	1.872±.012	2.024±.016
12	(43.59±0.25)	(47.45±0.36)
	1.716±.010	1.868±.014
11	(39.62±0.25)	(43.48±0.36)
	1.560±.010	1.712±.014
10	(35.66±0.25)	(39.52±0.31)
	1.404±.010	1.556±.012
9	(31.70±0.18)	(35.56±0.3)
	1.248±.007	1.400±.012
8	(27.74±0.18)	(31.60±0.31)
	1.092±.007	1.244±.012
7	(23.77±0.18)	(27.64±0.3)
	.936±.007	1.088±.012
6	(19.81±0.13)	(23.67±0.25)
	.780±.005	.932±.011
5	(15.85±0.13)	(19.71±0.25)
	.624±.005	.776±.010
4	(11.89±0.13)	(15.75±0.25)
	.468±.005	.620±.010
3	(7.92±0.13)	(11.79±0.25)
	.312±.005	.464±.010

No OF DIM. 'A' DIM. 'B'
CCTS



- 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 MXI-3.
 5. CONNECTORS FOR USE WITH (1.14)/.045 SQ. OR RD. PINS
 6. THIS PART CONFORMS TO PROD.SPEC.99020-0087



REVISION DATE: E2004-0792
P: SHEAHAN 04/03/98

4 : 1 x
G. HART 24/11/82
M GOONEY 26/11/98
MWILHITE 26/11/98
SE32151 .DGN SEE CHART SDAE-3215-***N*** I 0F 11

ZB

SHT. 1 OF 1		MRI-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
			REVISE ONLY ON CAD SYSTEM		
MOLEX EUROPE		CROQUIS FILENAME		ISSUE	
NF0028		SE32151 . DGN		ZA	

13		12		11		10		9		8		7		6		5		4		3		2		1		
PART No.	ENG No.	No. OF CCTS	LOCK RAMP	VOID CCT	VOID POS'N	PART No.	ENG No.	No. OF CCTS	LOCK RAMP	VOID CCT	VOID POS'N	CENTRE HOOK LOCATED BETWEEN CCT No's	PART No.	ENG No.	No. OF CCTS	LOCK RAMP	VOID CCT	VOID POS'N	CENTRE HOOK LOCATED BETWEEN CCT No's	PART No.	ENG No.	No. OF CCTS	LOCK RAMP	VOID CCT	VOID POS'N	CENTRE HOOK LOCATED BETWEEN CCT No's
26-11-6038	AE-3215-CR3BB	3	YES	NONE		26-11-6039	AE-3215-H3BB	3	NO	NONE			26-11-6035	AE-3215-HR3BB	3	YES	NONE			26-11-2031	AE-3215-C3AC	3	NO	NONE		
↑ -6048	↑ -CR4BB	4	↑	↑		↑ -6049	↑ -H4BB	4	↑	↑			↑ -6045	↑ -HR4BB	4	↑	↑			↑ -2041	↑ -C4AC	4	↑	↑		
-6058	-CR5BB	5				-6059	-H5BB	5					-6055	-HR5BB	5					-2051	-C5AC	5				
-6068	-CR6BB	6				-6069	-H6BB	6					-6065	-HR6BB	6					-2061	-C6AC	6				
-6078	-CR7BB	7				-6079	-H7BB	7					-6075	-HR7BB	7					-2071	-C7AC	7				
-6088	-CR8BB	8				-6089	-H8BB	8			4&5		-6085	-HR8BB	8			4&5		-2081	-C8AC	8				
-6098	-CR9BB	9				-6099	-H9BB	9			4&5		-6095	-HR9BB	9			4&5		-2091	-C9AC	9				
-6108	-CR10BB	10				-6109	-H10BB	10			5&6		-6105	-HR10BB	10			5&6		-2101	-C10AC	10				
-6118	-CR11BB	11				-6119	-H11BB	11			5&6		-6115	-HR11BB	11			5&6		-2111	-C11AC	11				
-6128	-CR12BB	12				-6129	-H12BB	12			4&5 8&9		-6125	-HR12BB	12			4&5 8&9		-2121	-C12AC	12				
-6138	-CR13BB	13				-6139	-H13BB	13			4&5 9&10		-6135	-HR13BB	13			4&5 9&10		-2131	-C13AC	13				
-6148	-CR14BB	14				-6149	-H14BB	14			5&6 9&10		-6145	-HR14BB	14			5&6 9&10		↓ -2141	-C14AC	14				
-6158	-CR15BB	15				-6159	-H15BB	15			5&6 10&11		-6155	-HR15BB	15			5&6 10&11		26-11-2151	-C15AC	15				
-6168	-CR16BB	16				-6169	-H16BB	16			6&7 11&12		-6165	-HR16BB	16			6&7 11&12		NOT TOOLED	-C16AC	16				
-6178	-CR17BB	17				-6179	-H17BB	17			6&7 11&12		-6175	-HR17BB	17			6&7 11&12		↑	-C17AC	17				
-6188	-CR18BB	18				-6189	-H18BB	18			6&7 10&11 15&16		-6185	-HR18BB	18			6&7 10&11 15&16		↑	-C18AC	18				
-6198	-CR19BB	19				-6199	-H19BB	19			5&6 10&11 15&16		-6195	-HR19BB	19			5&6 10&11 15&16		↓	-C19AC	19				
26-11-6208	AE-3215-CR20BB	20	YES	NONE		26-11-6209	AE-3215-H20BB	20	NO	NONE		5&6 10&11 15&16	26-11-6205	AE-3215-HR20BB	20	YES	NONE		5&6 10&11 15&16	NOT TOOLED	AE-3215-C20AC	20	NO	NONE		
													38-00-0545	AE-3215-HR17BB-51	17	YES	3,6,9 12,15		6&7 11&12							
													38-00-0546	AE-3215-HR8BB-51	8	YES	3,6		4&5							

PRE-RELEASE REFERENCE USE ONLY
 SDAE-3215-***N***

HOUSING.
STYLE- CR

TERMINAL.
STYLE- B

DRILLING DETAIL 'B'
(SEE SHEET 2)

HOUSING.
STYLE- H

TERMINAL.
STYLE- B

DRILLING DETAIL 'B'

HOUSING.
STYLE- HR

TERMINAL.
STYLE- B

DRILLING DETAIL 'B'

HOUSING.
STYLE- C

TERMINAL.
STYLE- C

DRILLING DETAIL 'D'

NOTES:

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

MATERIAL:

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



LEAD FREE CONVERSION EC No. E2004-0792 DRAWN: PSHEAHAN 04/03/04 CHK: / / / / APPR: / / / / REV: ZA	QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE	DESIGN UNITS	DIMENSIONS:		SHT	REV		
				mm	INCH	mm	INCH	mm	INCH	mm	INCH
				mm	INCH	mm	INCH	mm	INCH	mm	INCH
				mm	INCH	mm	INCH	mm	INCH	mm	INCH
		ANGULAR: ± 1/2°		DRAWN BY & DATE G. HART 24/11/82		THIRD ANGLE PROJECTION					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHECKED BY & DATE M. GOONEY 26/11/98		TITLE: CONNECTOR, K-K (3.96)/.156 WITH OR WITHOUT LOCKING WITH P.C. TAIL TERMINALS					
				APPROVED BY & DATE MWILHITE 26/11/98		MOLEX INCORPORATED					
				CAD FILENAME SE32154.DGN		MATERIAL NO. SEE CHART		DRAWING NO. SDAE-3215-***N***		SHEET NO. 4 OF	
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.							