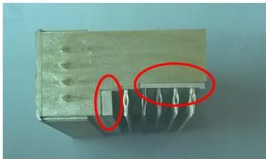
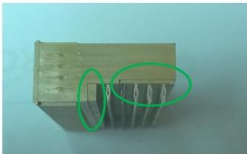


Product/Process Change Notifications



PCN - 15 077

Release Date: October 19 2015

Product Name:	MILLIPACS		
	Millipacs Right Angle Receptacle		
Product Manager:	Hiju Varghese		
Subject:	Notification of Change with immediate effectivity		
Distribution:	General		
Type of Change:	Materials Change		
Change Description:	Resin change of Millipacs receptacle true position cover (highlighted in picture) from Vectra A950 to Vectra E130I. Housing is already using Vectra E130I and with this proposed change, housing and cover will use the same resin which ensures similar colour for both the parts. There is a slight color change in the cover part made from the new resin as compared to the old resin. There is no impact on the fit and function of the connector. Before After  		
Reason for Change:	Standardise on the same resin for housing and cover.		
Affected Parts:	List Attached		
Effective Date of Change:	October 30, 2015		
Last Time Buy Date:	NA		
Last Disty Return Date:	NA		
Last Time Shipment Date	NA		
Datasheet Attached?	NA		
Qual/Test Data Attached?	NA		
Samples Availability Date:	November	02	2015
Available Alternatives?	N/A		
Questions?	Contact your local FCI Representative, or Product Manager		
	Hiju Varghese		
	Hiju.Varghese@fci.com		

Note:

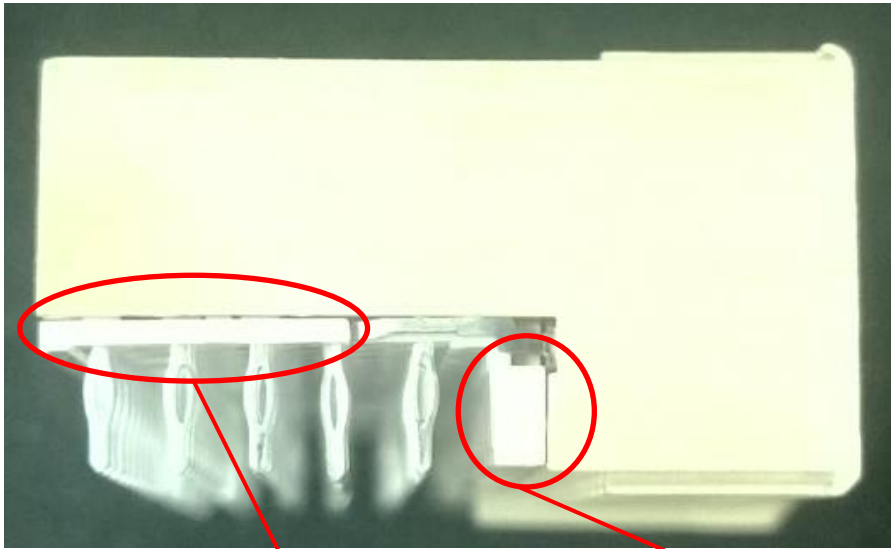
Customer shall intimate the product Manager any Concern regarding the PCN within 3 weeks of the release date.
 PCN is considered approved by the customer if no communication is received within 3 weeks

PCN	Item Number	Change	Effective Date	Last Time Buy Date	Last Disty return date	Replacement Part	Alternate Part	Comments
PCN15077	HM2R01PA5100AALF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R01PA5100L9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R01PA5100N9JLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R01PA5100N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R01PA5101N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R01PA5101N9STLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R01PA5102N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R01PA5104N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R01PA5108N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R01PA5108N9STLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R01PA510FN9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R01PA510JN9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R01PACA39N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R01PE510FN9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5100AALF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5100E9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5100L9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5100N9CLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5100N9JLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5100N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5101AALF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5101E9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5101L9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5101N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5101N9STLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5104N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5107N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5108L9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5108N9JLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5108N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5108N9STLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA5109N9STLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA510FN9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PA510JN9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PACA10N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PE5100N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R02PE5108N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R03PA5100AALF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R03PA5100L9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R03PA5100N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R03PA5101AALF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R03PA5101N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R03PA5101N9STLF	MATERIALS CHANGE	30-Oct-15					
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PCN15077	HM2R10PA5101N9STLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PA5108AALF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PA5108E9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PA5108L9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PA5108N9CLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PA5108N9JLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PA5108N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PA5108N9STLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PA510FN9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PA510FN9MLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PA510YN9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PA5300N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PACA39N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PACAKON9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PE5100N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R10PE5108N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R20PA5100L9LF	MATERIALS CHANGE	30-Oct-15					
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PCN15077	HM2R20PA5108N9LF	MATERIALS CHANGE	30-Oct-15					

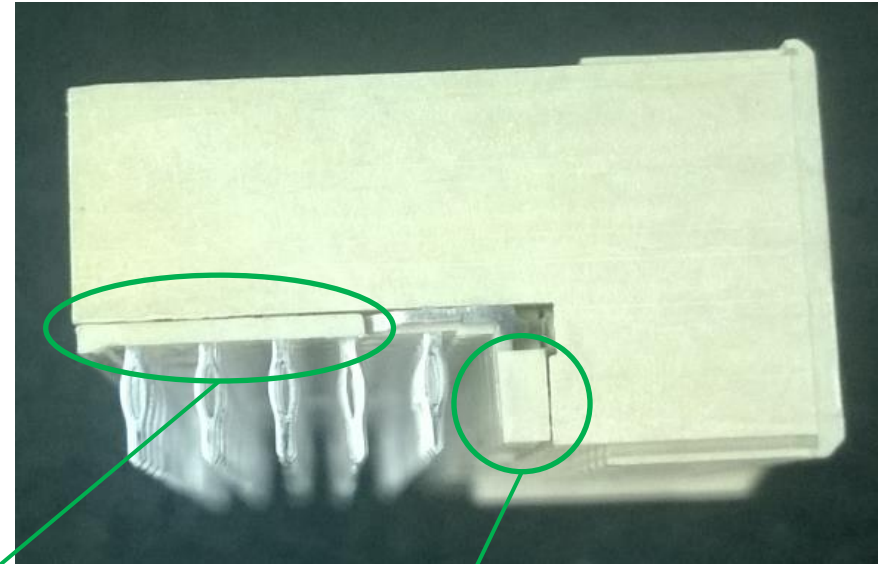
[illegible]

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PCN15077	HM2R88PA8108N9JLF	MATERIALS CHANGE	30-Oct-15					
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PCN15077	HM2R88PA810FN9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R88PAEA20N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R88PE8100N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R88PE810FN9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R89PA8100N9LF	MATERIALS CHANGE	30-Oct-15					
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PCN15077	HM2R89PA8101N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R89PA8104N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R89PA8108N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R89PA810FN9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R89PE810FN9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R90PA8100N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R95PA8100AALF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R95PA8100N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R95PA8100Z1LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R95PA8101N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R95PA8108AALF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R95PA8108N9CLF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R95PA8108N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R95PA810FN9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R95PE8100N9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R95PE810FN9LF	MATERIALS CHANGE	30-Oct-15					
PCN15077	HM2R96PA8100N9PLF	MATERIALS CHANGE	30-Oct-15					

BEFORE



AFTER



We are going to change the resin for this part of the connector. This part is called Millipacs receptacle True Position cover. The main purpose of this part is to ensure the proper positioning of the contact terminals in the connector. Earlier we have used a special resin to manufacture this part. Now we are proposing to manufacture the part with same resin that is used to manufacture the receptacle housing. So you can see there is no colour difference between housing part and true position cover part in the after image.

LABORATORY TEST REPORT



REPORT NO. ELX-P-07/15	DATE OF REPORT 30/7/2015	DATES TESTED 20/07/15 – 22/07/15	TESTED BY Bindu.S.Nair
REQUESTOR Arjun K A	TITLE Millipacs Receptacle Connector	Prepared By/Title Bindu. S. Nair	Approved By/Title Lisy.T.C Engineer - Lab

PURPOSE

To evaluate the performance of Millipacs connector with different LCP grade material for cover from that of housing as per IEC 61076 4 101 specification (requested tests only)

CONCLUSIONS

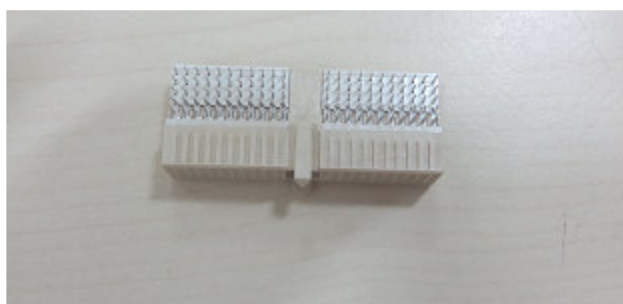
Tested parameters found ok as per IEC 61076 4 101 specification

SAMPLE DESCRIPTION

Item	Part Number	Description
1	HM2R10PA5100N9LF	Millipacs receptacle connector with different LCP grade material for cover from that of housing

SAMPLE PHOTO

Cover and Housing with different LCP grade material



DOCUMENT REFERENCE

Document Description	Revision/Issue	Date
IEC 61076-4-101	2 nd edition	2001
Drg No. BS,C,201418,010	Rev G	2010

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TEST DESCRIPTION

Test No.	Test Description
1	General Examination
2	Insulation resistance
3	Voltage proof
4	Rapid change of temperature

TEST METHODS/REQUIREMENTS

Test No	Test Name	Condition	Requirement
1	General Examination Dimensions related to cover	Unmated condition	There shall be no defects that would impair normal operation All dimensions are OK as per drawing
2	Insulation resistance	Mated condition at 100 V dc	10^4 M Ω min
3	Voltage proof	Mated condition Test voltage 750 V rms	There shall be no break down or flash over to be observed
4	Rapid change of temperature	Mated condition	-55 °C to 125 °C 5 cycles
4.1	Insulation resistance	Mated condition at 100 V dc	10^4 M Ω min
4.2	Voltage proof	Mated condition Test voltage 750 V rms	There shall be no break down or flash over to be observed
4.3	Visual Examination	Unmated condition	There shall be no defects that would impair normal operation

TEST RESULTS

Step No.	Test	Requirement	Result	Comments
1	General Examination	There shall be no defects that would impair normal operation Dimensions related to cover should be ok as per drawing a) 1.65 mm min b) Terminal alignment	No defect observed Cover related dimensions are OK as per drawing 1.68 – 1.72mm OK, checked with Inspection grid	Passed
2	Insulation resistance	10^4 M Ω min	$> 10^4$ M Ω	Passed
3	Voltage proof	There shall be no break down or lash over to be observed	No breakdown or flash over observed at 750 Vrms	Passed
4	Rapid change of temperature	-55°C to 125°C 5 cycles	OK	Passed
4.1	Insulation resistance	10^4 M Ω min	$> 10^4$ M Ω	Passed
4.2	Voltage proof	There shall be no break down or lash over to be observed	No breakdown or flash over observed at 750 Vrms	Passed
4.3	Visual Examination	There shall be no defects that would impair normal operation	No defects observed	Passed

EQUIPMENT USED

Item	Manufacturer	ID Number	Last Cal.	Cal. Due
Microscope	-	--	N/C	-
Smartscope	OGP	IQASMC1	11/04/2015	11/04/2016
Dielectric meter	Sefelec	QA/149.1	18/4/2015	18/4/2016
Insulation tester	Rishi	QA/186	10/11/2014	10/11/2015
Thermal shock chamber	Votsch	MVL/CHB02	08/5/2015	08/5/2016

REVISION RECORD

Revision Level	Affected Pages	Description	Revision Date
A	All	Original Release	30/07/2015

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LABORATORY TEST REPORT



REPORT NO. ELX-09/15/013	DATE OF REPORT 24/9/2015	DATES TESTED 21/9/15 – 22/09/15	TESTED BY Bindu.S.Nair
REQUESTOR Arjun K A	TITLE Millipacs Receptacle Connector	Prepared By/Title Bindu. S. Nair	Approved By/Title Lisy.T.C Engineer - Lab

PURPOSE

To evaluate the performance of Millipacs connector with same LCP grade material for cover and housing as per IEC 61076 4 101 specification (requested tests only)

CONCLUSIONS

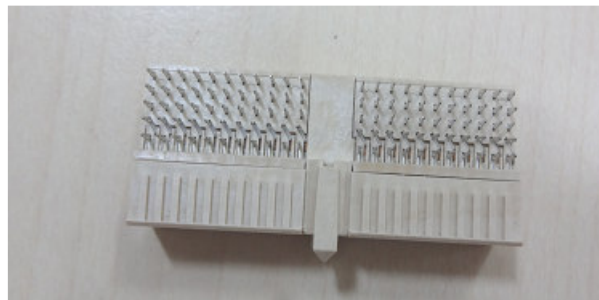
Tested parameters found ok as per IEC 61076 4 101 specification

SAMPLE DESCRIPTION

Item	Part Number	Description
1	HM2R10PA5100N9LF	Millipacs receptacle connector with same LCP grade material for cover and housing

SAMPLE PHOTO

Cover and Housing with same LCP Grade Material



DOCUMENT REFERENCE

Document Description	Revision/Issue	Date
IEC 61076-4-101	2 nd edition	2001
Drg No. BS,C,201418,010	Rev G	2010

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TEST DESCRIPTION

Test No.	Test Description
1	General Examination
2	Insulation resistance
3	Voltage proof
4	Rapid change of temperature

TEST METHODS/REQUIREMENTS

Test No	Test Name	Condition	Requirement
1	General Examination Dimensions related to cover	Unmated condition	There shall be no defects that would impair normal operation All dimensions are OK as per drawing
2	Insulation resistance	Mated condition at 100 V dc	10 ⁴ MΩ min
3	Voltage proof	Mated condition Test voltage 750 V rms	There shall be no break down or flash over to be observed
4	Rapid change of temperature	Mated condition	-55°C to 125°C 5 cycles
4.1	Insulation resistance	Mated condition at 100 V dc	10 ⁴ MΩ min
4.2	Voltage proof	Mated condition Test voltage 750 V rms	There shall be no break down or flash over to be observed
4.3	Visual Examination	Unmated condition	There shall be no defects that would impair normal operation

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TEST RESULTS

Step No.	Test	Requirement	Result	Comments
1	General Examination	There shall be no defects that would impair normal operation Dimensions related to cover should be ok as per drawing a) 1.65 mm min b) Terminal alignment	No defect observed Cover related dimensions are OK as per drawing 1.66 -1.72 mm OK, checked with Inspection grid	Passed
2	Insulation resistance	10^4 M Ω min	$> 10^4$ M Ω	Passed
3	Voltage proof	There shall be no break down or lash over to be observed	No breakdown or flash over observed at 750 Vrms	Passed
4	Rapid change of temperature	-55°C to 125°C 5 cycles	OK	Passed
4.1	Insulation resistance	10^4 M Ω min	$> 10^4$ M Ω	Passed
4.2	Voltage proof	There shall be no break down or lash over to be observed	No breakdown or flash over observed at 750 Vrms	Passed
4.3	Visual Examination	There shall be no defects that would impair normal operation	No defects observed	Passed

EQUIPMENT USED

Item	Manufacturer	ID Number	Last Cal.	Cal. Due
Microscope	-	--	N/C	-
Smartscope	OGP	IQASMC1	11/04/2015	11/04/2016
Dielectric meter	Sefelec	QA/149.1	18/4/2015	18/4/2016
Insulation tester	Rishi	QA/186	10/11/2014	10/11/2015
Thermal shock chamber	Votsch	MVL/CHB02	08/5/2015	08/5/2016

REVISION RECORD

Revision Level	Affected Pages	Description	Revision Date
A	All	Original Release	24/9/2015

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