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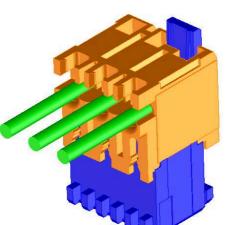
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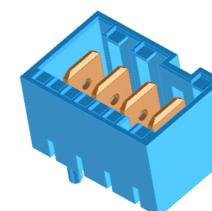
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1.0 SCOPE

This specification defines the performance for the Molex RAST 5 APPLI-MATE family of connectors

2.0 PRODUCT DESCRIPTION and applicable documents

No	Description	Applicable Sales Drawing	Application Specification	Agency Approval	Mating Interface	Packaging Specification
90833	5mm Appli-mate Female IDT Indirect 10 Amp	SD-90833E	ES-99033- 0004	UL : E29179 CSA : LR 19980 VDE 8013-1432- 1008/A3E T12/gre- na	90858 & 90879 or similar	PK-90833- 001
90835	5mm Appli-mate Female IDT Indirect 16 Amp	SD-90835E	As per 90833	As per 90833	Silver plated 90858 or 90879	As per 90833
91338 Silver or Tin	5mm Appli-mate 1ckt 10Amp Female	SD-91338-006	As per 90833	As per 90833	As per 90833	As per 90833
91778	5mm Appli-mate Female IDT Indirect 10 Amp SCHULAMID	SD-91778-001	As per 90833	UL : E29179 CSA : LR 19980 & VDE	As per 90833	As per 90833
91777 Silver or Tin	5mm Appli-mate 1ckt 10Amp Female SCHULAMID	SD-91777- 001	As per 90833	UL : E29179 CSA : LR 19980 & VDE	As per 90833	As per 90833
91779	5mm Appli-mate Female IDT Indirect 16 Amp SCHULAMID	SD-91779- 001	As per 90833	UL : E29179 CSA : LR 19980 & VDE	As per 90835	As per 90833
90858	5mm Appli-mate Male vertical Header	SD-90858E	N/A	UL : E29179 CSA : LR 19980 & VDE	90833, 90835, 91338, 91777, 91779 similar	PK-90858- 001
90879	5mm Appli-mate Male Right angle Header	SDA-90879E	N/A	UL : E29179 CSA : LR 19980 & VDE	As per 90858	As per 90858
90874	5mm Appli-mate Male Guide Frame	SD-90874-001	N/A	N/A	90888 with PCB	As per 90858
l						
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English

PRODUCT DESCRIPTION and applicable documents

Series No	Description	Applicable Sa Drawing		pplication becification	Agency Approval	Mating Interface	Packaging Specification
91999	5mm Appli-mate Male vertical Header	SD-91999-001	N/	/A	UL : E29179 CSA : LR 19980 & VDE	As per 90858	As per 90858
91954	5mm Appli-mate Female 0.38mm IDT Indirect	SD-91954-001	As	s per 90833	UL : E29179 CSA : LR 19980 & VDE	90858 & 90879 or similar	PK-90833-001
92000	5mm Appli-mate Female 1.00mm IDT Indirect	SD-92000-001	As	s per 90833	UL : E29179 CSA : LR 19980 & VDE	90858 & 90879 or similar	PK-90833-001
93003	5mm Appli-mate Male Right angle Header	Sd-93009-001	N/	/A	UL : E29179 CSA : LR 19980 & VDE	As per 90858	As per 90858
93052	5mm Appli-mate Female IDT Indirect Silver Terminal	SD-93052-001	As	s per 90833	Pending Application	90858 & 90879 or similar	PK-90833-001
93057	5mm Appli-mate Female IDT Indirect SCHULAMID Silver Terminal	SD-93057-001	As	s per 90833	Pending Application	90858 & 90879 or similar	PK-90833-001
93210	5mm Appli-mate Female 1.00mm IDT Indirect	SD-93210-001	As	s per 90833	UL : E29179 CSA : LR 19980 & VDE	90858 & 90879 or similar	PK-90833-001
93213	5mm Appli-mate 1ckt 10Amp Female Latamid	SD-93213-001	As	s per 90833	UL : E29179 CSA : LR 19980 & VDE	As per 90833	As per 90833
93396	5mm Appli-mate Female 1.00mm IDT Indirect	SD-93396-001	As	s per 90833	UL : E29179 CSA : LR 19980 & VDE	90858 & 90879 or similar	PK-90833-001
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3.0 RATINGS

Series No	3.1 Current*	3.2 Voltage	3.3 Durability	3.4 Operating Temperature Range **	3.5 Storage temperature range
90833	10Amp Max	250V AC	10 Cycles	-20°C - +120°C	-20°C - +85°C
90835	16Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
91338 Silver or Tin	10Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
91778	10Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
91777 Silver or Tin	10Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
91779	16Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
90858 Silver or Tin	16Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
90879 Silver or Tin	16Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
90874	N/A	N/A	10 Cycles	As per 90833	As per 90833
91954	4 Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
91999 Silver or Tin	16Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
92000	12 Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
93003 Silver or Tin	16Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
93052	10Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
93057	10Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
93210	12 Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
93213 Silver or Tin	10Amp Max	250V AC	10 Cycles	As per 90833	As per 90833
93396	16 Amp Max	250V AC	10 Cycles	As per 90833	As per 90833

** See Temp / Current De-rating curve

* Max amps dependent on max operating Temperature, approved cable size, and Series No. See Current De-rating curve

Example : 91778 with 0.75mm sq cable @ max temp of 85°C max current 10 amps.

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4.0 VISUAL EXAMINATION

Test Ref.	Item	Test Condition	Requirements
4.1	Visual Examination (IEC 512-2-1a)	Parts checked for: Identification, Workmanship, Finish, Markings, Cosmetic issues, Tool marks, etc.	Meets requirements of product drawing. All parts shall be free of hazardous substances. All parts to be free of dirt and grease. No Defects

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REV.

DESCRIPTION DOCUMENT NUMBER

PS-99020-0037

PRODUCT SPECIFICATION



/ Series No F	Low level Contact Resistance	Unmated connector with	Unmated connector		
2	00mA Max 20 mVolts	500VDC between adjacent contacts for 1 minute.	with 3000V, 60 sec.	Load all circuits with the rated current for 1 hour at ambient temperature.	See Appendix D
90833	nitial 5m Ω Maximum	10 Mega ohms	No Breakdown Max leakage 2mA	A maximum temperature rise of $\leq 40^{\circ}$ C	See Appendix D
90835 A	As per 90833	As per 90833	As per 90833	<u>≤</u> 50°C	As per 90833
91338 A	As per 90833	As per 90833	As per 90833	As per 90833	As per 90833
91778 A	As per 90833	As per 90833	As per 90833	As per 90833	As per 90833
91777 A	As per 90833	As per 90833	As per 90833	As per 90833	As per 90833
91779 A	As per 90833	As per 90833	As per 90833	<u>≤</u> 50°C	As per 90833
90858 A	As per 90833	As per 90833	As per 90833	As per 90833	N/A
90879 A	As per 90833	As per 90833	As per 90833	As per 90833	N/A
90874	N/A	As per 90833	As per 90833	N/A	N/A
91999 A	As per 90833	As per 90833	As per 90833	As per 90833	As per 90833
91954 A	As per 90833	As per 90833	As per 90833	As per 90833	As per 90833
92000 A	As per 90833	As per 90833	As per 90833	As per 90833	N/A
93003 A	As per 90833	As per 90833	As per 90833	As per 90833	N/A
93052 A	As per 90833	As per 90833	As per 90833	As per 90833	As per 90833
93057 A	As per 90833	As per 90833	As per 90833	As per 90833	As per 90833
93210 A	As per 90833	As per 90833	As per 90833	As per 90833	N/A
93213 A	As per 90833	As per 90833	As per 90833	<u><4</u> 0°C	As per 90833
93396 A	As per 90833	As per 90833	As per 90833	As per 90833	N/A

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	6.1 Mating Force	6.2 Un-mating force	6.3 IDT Retention		6.4 Vibration (DIN IEC 68-2-6)	6.5 Di	op Shock	6.6 Term Retention Connecte (IEC 512	n in or
Test Condition / Series No	10 cycles. Force measured using a polished pin as per IEC760 section 16	10 cycles. Force measured using a polished pin as per IEC760 section 16	and at 90 direction at a rate of	orce parallel of the wire	Frequency cycle: 5-500-5Hz Displacement: 7.5mm Acceleration: 2g Duration: 20 Sweep cycles	milliso 3 shoc	ne, 50G, 11 econds ks in each irections		o contacts
90833	\leq 4N per Contact for all 10 cycles	\geq 0.5N per contact for all 10 cycles	Parallel t Wire 0.50mm ² 0.75mm ²	o and 90° to ≥ 70N ≥ 100N	Initial contact resistance as per 5.1. Final $\text{Rc} \le 2x$ initial Rc . No discontinuities greater than 1uSec	resista 5.1. Fi initial		N/A	
90835	<u>≤</u> 15N	As per 90833	1.0mm^2 $1.5 \text{mm}^2 \ge 1.5 \text{mm}^2$		As per 90833	As pe	r 90833	N/A	
91338	\leq 40N for all 10 cycles	30N-50N for all 10 cycles	As per 90	0833	As per 90833	As per	r 90833	N/A	
91778	As per 90833	As per 90833	As per 90	0833	As per 90833	As per	r 90833	N/A	
91777	As per 91338	As per 91338	As per 90	0833	As per 90833	As per	r 90833	N/A	
91779	As per 90833	As per 90833	As per 90	0835	As per 90833	As per	r 90833	N/A	
90858	Mate with 90833: \leq 4N per Contact for all 10 cycles	Mate with 90833≥ 0.5N per contact for all 10 cycles		N/A	As per 90833	As per	r 90833	45N per	terminal
90879	As per 90858	As per 90858]	N/A	As per 90833	As pe	er 90833	As per 9	0858
90874]	N/A			N/A	N/A	
91999	As per 90858	As per 90858]	N/A	As per 90833	As per	r 90833	As per 9	0858
91954	As per 90833	As per 90833	0.35-0.38	3 mm ² \geq 50N	As per 90833	As per	r 90833	N/A	
92000	As per 90833	As per 90833	As per 90	0835	As per 90833	As per	r 90833	N/A	
93003	As per 90858	As per 90858		N/A	As per 90833	As p	er 90833	As per 9	0858
93052	As per 90833	As per 90833	As p	er 90833	As per 90833 As	As p	er 90833	N/A	
93057	As per 90833	As per 90833	As p	er 90833	As per 90833	As p	per 90833	N/A	
93210	As per 90833	As per 90833	As per 90	0835	As per 90833	As per	r 90833	N/A	
93213	As per 91338	As per 91338	As per 90	0833	As per 90833	As per	r 90833	N/A	
93396	As per 90833	As per 90833	As per 90)835	As per 90833	As per	r 90833	N/A	
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English

6.0 MECHANICAL PERFORMANCE

7.0 **ENVIRONMENTAL PERFORMANCE** 7.1 Life test 7.3 Damp Heat Test 7.4 Thermal Cycling 7.2 Vibration/ (DIN 40046, Part 3) Climate Test 14 days at 40°C and Test See appendix B for Temp / Time 14 cycles: one cycle 300 cycles as per diagram in Condition Profile Current. 93% R.H. consists of 16 hours at Appendix B profile A (Excl. No current flow 80°C followed by 8 / Series Humidity Control) Measure Voltage Drop as per No during exposure. hours at 20°C Vibrate in chamber as per 6.4 for appendix A2. maximum 100 hrs in each X, Y, \hat{Z} directions Final $\text{Rc} \leq 2$ times initial Rc as per 90833 Indirect thru Header: Temp / Final Rc \leq 2 times Final $Rc \leq 2$ times Time Profile A for 6,000 cycles. 5.1 No Discontinuity greater than initial Rc as per 5.1 initial Rc as per 5.1 1uSec Mated with 90858 Final $Rc \leq 2$ times initial Rc as per 5.1 90835 Indirect thru Header: Temp / As per 90833 As per 90833 As per 90833 Time Profile B for 4,000 cycles. Change on contact resistance \leq $5m\Omega$ 91338 As per 90833 with rated current As per 90833 As per 90833 As per 90833 91778 As per 90833 with rated current As per 90833 As per 90833 As per 90833 91777 As per 90833 with rated current As per 90833 As per 90833 As per 90833 As per 90833 91779 As per 90835 with Rated current As per 90833 As per 90833 N/A As per 90833 Mated with 90833 90858 As per 90833 As per 90833 90879 N/A As per 90858 As per 90833 As per 90833 N/A 90874 N/A N/A N/A 91999 N/A As per 90833 Mated with 90833 As per 90833 As per 90833 As per 90833 91954 As per 90833 with rated current As per 90833 As per 90833 As per 90835 with Rated current 92000 As per 90833 As per 90833 As per 90833 93003 N/A As per 90833 Mated with 90833 As per 90833 As per 90833 93052 As per 90833 with rated current As per 90833 As per 90833 As per 90833 93057 As per 90833 with rated current As per 90833 As per 90833 As per 90833 93210 As per 90835 with Rated current As per 90833 As per 90833 As per 90833 93213 As per 90833 with rated current As per 90833 As per 90833 As per 90833 93396 As per 90835 with Rated current As per 90833 As per 90833 As per 90833

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	7.5 SO ₂ (DIN 50018-0, 2s)		Mist Spray 68-2-11)	7.7 Cold Exposure (IEC 512-11-10)	7.8 Glow Wire (IEC60695-2	
Test Condition / Series No	$T_{amb} = +40^{\circ} \text{ Deg C}$ SO ₂ = 0.2 liter H ₂ O = 2 liter 8 hours exposure time 16 hours recovery time	T _{amb} Rel. Hun NaCl conce	tted to PCB. = 35° C nidity = 95% entrate = $50g/ltr$ ion 96 Hrs	2 hours at – – 40°C.	Connector subjec temp glow wire for on X, Y & Z az Appendix E for c	30 second tis See
90833	Final Rc ≤ 2 times initial Rc as per 5.1	Final Rc ≤ 2 times initial Rc as per 5.1 No internal corrosion traces. Insulation resistance @ 500V, within 5M Ω min		Final Rc ≤ 2 times initial Rc as per 5.1. No physical damage / evidence	Glow wire temp = 850 °C. Flame must extinguish withi 30 seconds. No ignition of paper 300m under test specimen due to dripping etc.	
90835	As per 90833	As p	er 90833	As per 90833	As per 9083	3
91338	As per 90833	As po	er 90833	As per 90833	As per 9083	3
91778	As per 90833	As per 90833		As per 90833	Glow wire temp = 750 °C. Flame must extinguish within 2 seconds. No ignition of paper 300mm under test specimen due to dripping etc.	
91777	As per 90833	As per 90833		As per 90833	As per 9177	
91779	As per 90833	As po	er 90833	As per 90833	As per 9177	78
90858	As per 90833	As po	er 90833	As per 90833	As per 9177	/8
90879	As per 90833	As po	er 90833	As per 90833	As per 9177	/8
90874	N/A]	N/A	N/A	N/A	
91999	As per 90833	As po	er 90833	As per 90833	As per 91778	
91954	As per 90833	As po	er 90833	As per 90833	As per 91778	
92000	As per 90833	As po	er 90833	As per 90833	As per 91778	
93003	As per 90833	As po	er 90833	As per 90833	As per 9177	78
93052	As per 90833	As po	er 90833	As per 90833	As per 9083	33
93057	As per 90833	As po	er 90833	As per 90833	As per 9177	78
93210	As per 90833	As po	er 90833	As per 90833	As per 9177	78
93213	As per 90833	As po	er 90833	As per 90833	As per 9083	33
93396	As per 90833	As po	er 90833	As per 90833	As per 9177	78
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		7.9 Ball Pres			7.10 Dry Heat (Storage)	7.11 solder-abi	lity	
		(EN 60998, Par	t 1, Test 1	6.3)	(IEC 68-2-2)	Test** (IEC 68-2-20-	Т)	
,	Test Condition /	Test for 1 hou	ur at +125°	°C	85°C for 96 hours.	Solder temp= 26		
	Series No				Recovery time 2 hours at	Immersion & with		
					room temperature	speed = 25mm/Min		
	00000		· · ·			Immersion time	= 2s	
	90833	Diameter of fo exceed	otprint not	t to	≤ 2 times change in Rc. Appearance, no damage	N/a		
	90835	As per 9			As per 90833	N/a		
	91338	As per 9	0833		As per 90833	N/a		
	91778	As per 9	0833		As per 90833	N/a		
	91777	As per 9	0833		As per 90833	N/a		
	91779	As per 9	0833		As per 90833	N/a		
	90858	As per 9	0833		As per 90833	Solder Tail comp	letely	
						wetted smooth brigh		
						Pin-holes and voids		
						section of wetted		
	90879	As per 9	0833		As per 90833	As per 90858		
	90874					As per 90858	8	
	91999	As per 9	0833		As per 90833	As per 90858		
	91954	As per 9	0833		As per 90833	N/a		
	92000	As per 9	0833		As per 90833	N/a		
	93003	As per 9	0833		As per 90833	As per 90858		
	93052	As per 9	0833		As per 90833	N/a		
	93057	As per 9	0833		As per 90833	N/a		
	93210	As per 9	0833		As per 90833	N/a		
	93213	As per 9	0833		As per 90833	N/a		
	93396	As per 9	0833		As per 90833	N/a		
	** = This pro	oduct is to be so	oldered	by wa	ave solder process onl	y.		
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8.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage. No Styrofoam shall be used in any packing that comes in direct contact with the connectors.

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S			PRODUCT SPECIFICATION				
	See sheet 1						
		THIS DOC	CUMENT CONTAINS INFORMATION TH	AT IS PROPRIETARY T	O MOLEX		
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					25		
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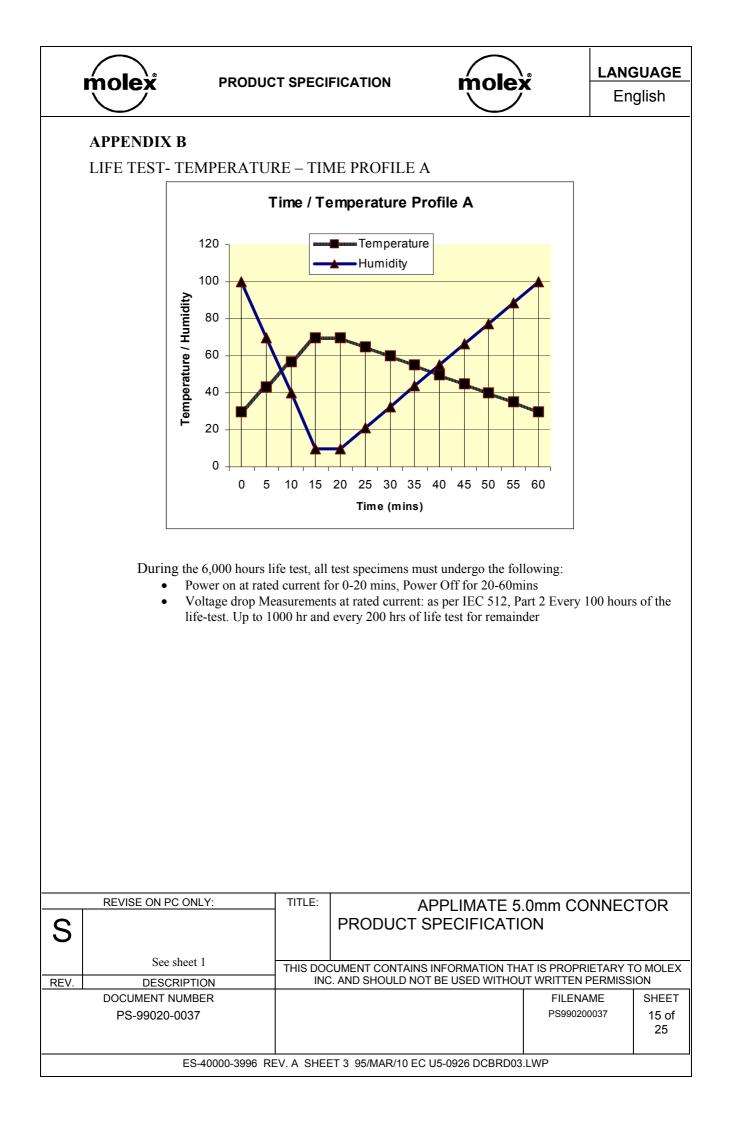
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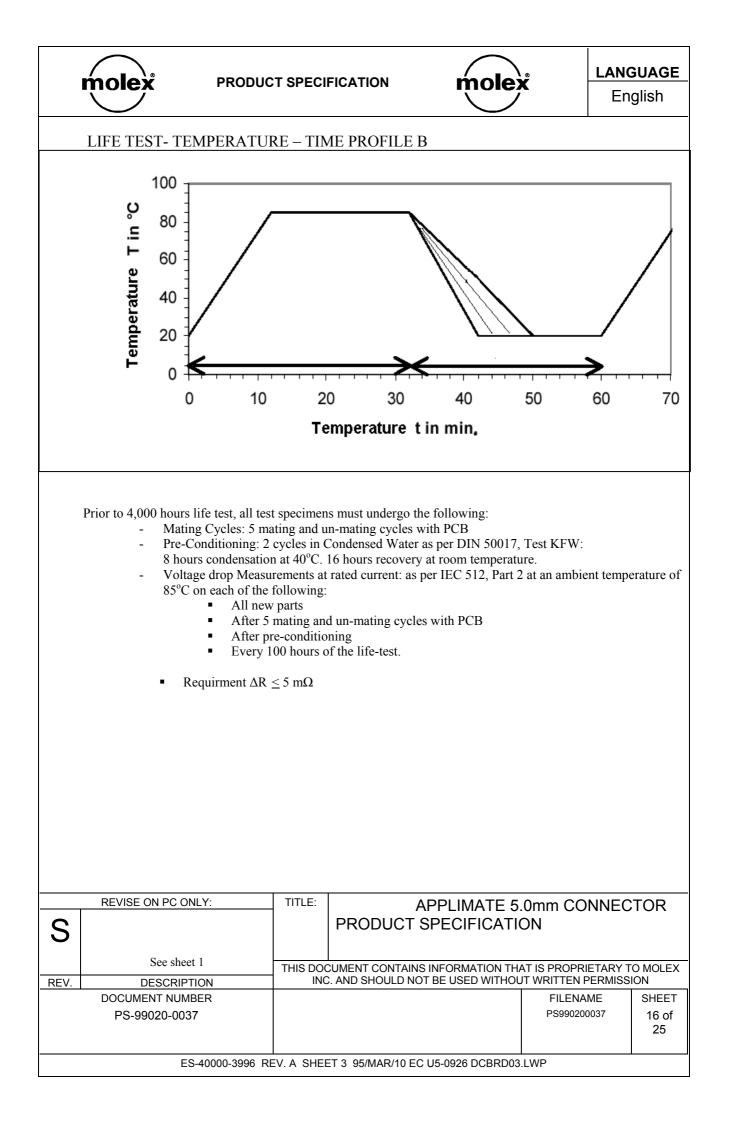
English

9.0 TEST GROUPINGS

Test Ref.	Test	Α	В	С	D	Е	F	G	Н	I
4.1	Visual examination	1,5	1,7	1,5	1,9	1,5	1,7	1,5		1,7
5.1	Contact Resistance		2,4,6	2,4	2,6	2,4	2,4,6	2,4		2,6
5.2	Insulation Resistance				3,7					3,5
5.3	Voltage proof				4,8					
5.4	Max temp rise								1	
5.5	De-Rating curve								1	
6.1	Mating Force								1	
6.2	Un-mating Force								1	
6.3	IDT Wire Retention								1	
6.4	Vibration		3							
6.5	Drop Shock		5							
6.6	Terminal Retention								1	
7.1	Life Test	3								
7.2	Vibration/Climate Test			3						
7.3	Damp Heat Test				5					
7.4	Thermal Cycling					3				
7.5	SO ₂							3		
7.6	Salt Mist Spray									4
7.7	Cold Exposure						3			
7.8	Dry heat storage						5			
7.9	Ball Pressure test								1	
7.10	Glow Wire test								1	
7.11	Solder-ability Test						5		1	
		1	_1	1	1	1	1	1	I	1
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APPENDIX A CONTACT RESISTANCE MEASUREMENT	
100 mm Reference Wire Voltage points	
	FOR
S PRODUCT SPECIFICATION	
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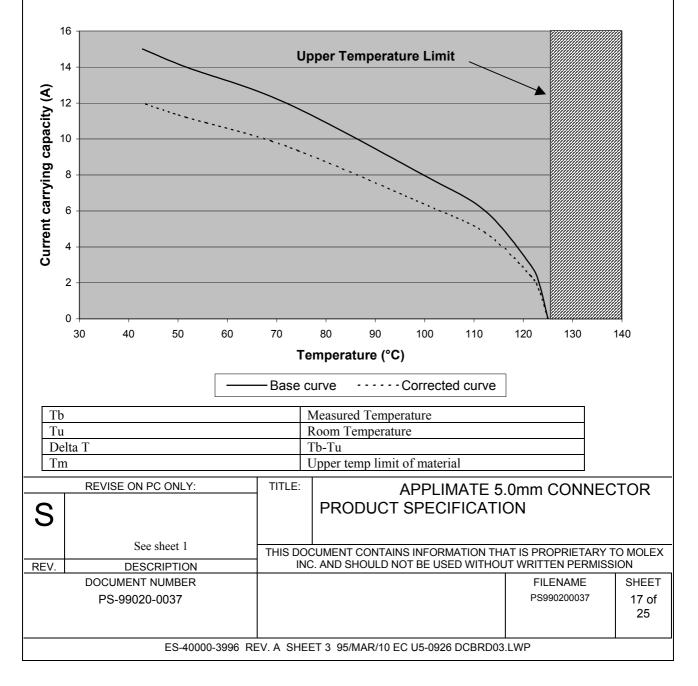
APPENDIX D

Current De-Rating Curves.

De-rating data and Curve for RAST 5, P/N 90833 terminated with 0.5mm² wire:

Current (Amps)	Tb	Tu	Delta T	Tm-delta	Current 20%
0			0	125	0
2	23.7	21.9	1.8	123.2	1.6
3	26.7	23.2	3.5	121.5	2.4
6	38.4	25.7	12.7	112.3	4.8
8	49.9	24.6	25.3	99.7	6.4
12	80.9	27.8	53.1	72.0	9.6
14	101.9	28.5	73.4	51.7	11.2
15	114.3	32.1	82.2	42.8	12

Derating curve P/N 90833 0.5 mm sq wire



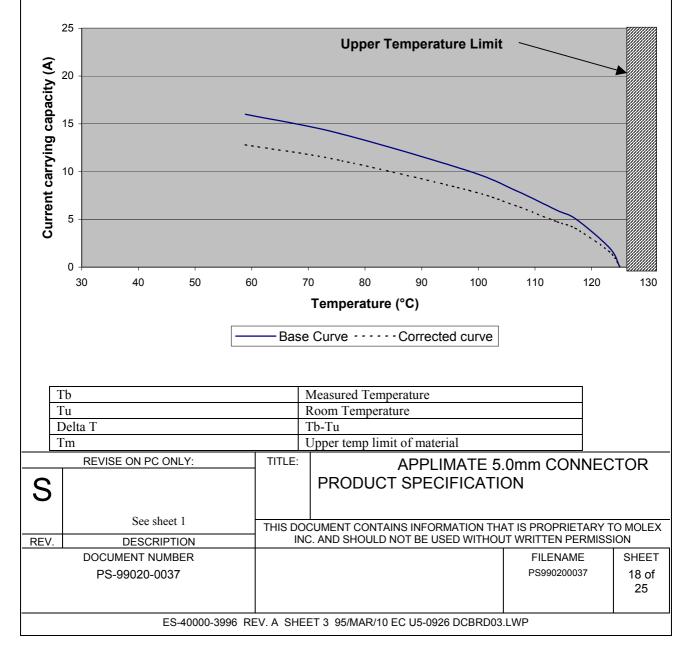




De-rating data and Curve for RAST 5, P/N 90833 terminated with 0.75mm² wire:

Current (Amps)	Tb	Tu	Delta T	Tm-delta	Current 20%
0			0	125	0
2	23.4	21.6	1.8	123.2	1.6
5	30.4	22.7	7.7	117.3	4.0
6	33.1	21.8	11.3	113.7	4.8
8	40.5	22.2	18.3	106.7	6.4
10	49.0	22.6	26.4	98.6	8.0
14	72.4	22.8	49.6	75.4	11.2
16	88.9	22.8	66.1	58.9	12.8

Derating Curve, P/N 90833 0.75mm sq wire



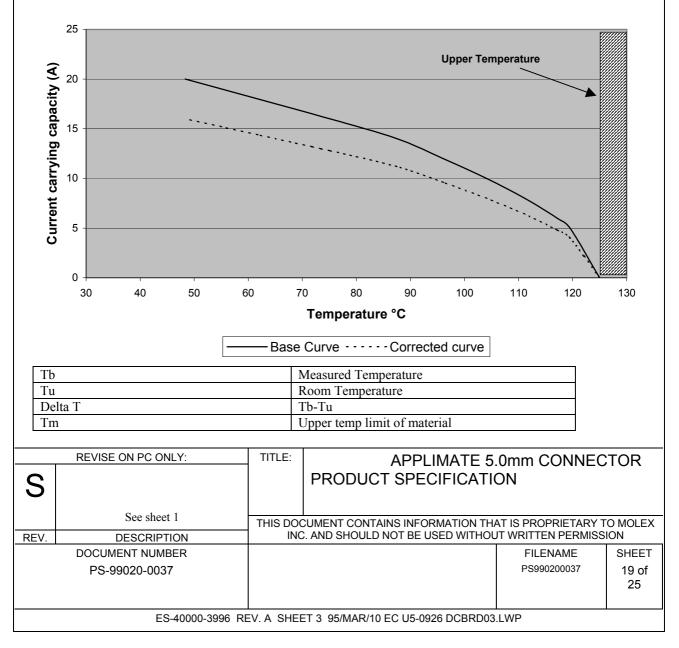




De-rating data and Curve for RAST 5, P/N 90835 terminated with 1.0mm² wire:

Current (Amps)	Tb	Tu	Delta T	Tm-delta	Current 20%
0			0	130	0
5	27.7	22.2	5.5	119.5	4.0
6	30.0	22.2	7.8	117.2	4.8
8	36.2	22.4	13.8	111.2	6.4
10	43.5	22.6	20.9	104.1	8.0
12	51.7	22.8	28.9	96.1	9.6
14	61.4	23.9	37.5	87.5	11.2
16	73.5	23.6	49.9	75.1	12.8
18	88.1	24.9	63.2	61.8	14.4
20	100.1	23.4	76.7	48.3	16.0

Derating Curve, P/N90835 1.0mm sq cable



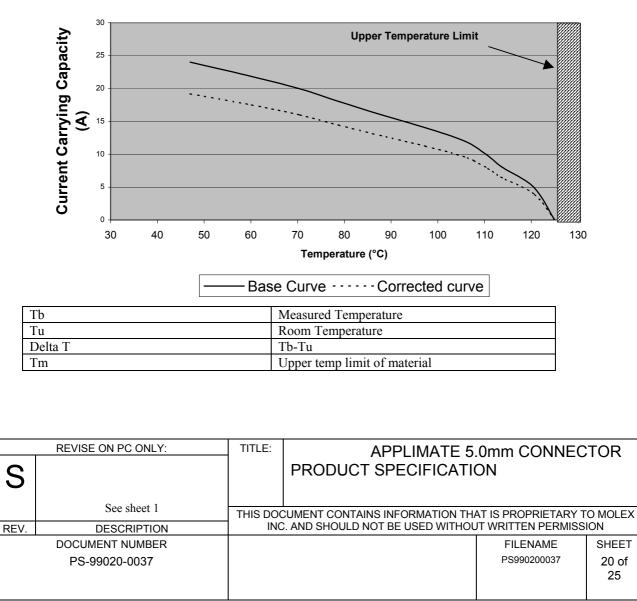




De-rating data and		ASI 3, F/N	90855 tern	iniated with	1.5mm wife.
Current (Amps)	Tb	Tu	Delta T	Tm-delta	Current 20%
0			0	125	0
5	26.0	21.5	4.5	120.5	4.0
8	32.8	21.6	11.2	113.8	6.4
10	36.8	22.1	14.7	110.3	8.0
12	42.7	23.4	19.3	105.7	9.6
14	50.4	22.9	27.5	97.5	11.2
16	60.0	22.9	37.1	87.9	12.8
18	69.2	23.2	46.0	79.0	14.4
20	78.01429	23.3	54.7	70.3	16.0
22	89.15714	23.4	65.8	59.2	17.6
24	101.1714	23.2	78.0	47.0	19.2

De-rating data and Curve for RAST 5, P/N 90835 terminated with 1.5mm² wire:

Derating curve P/N 90835 1.5mm sq cable



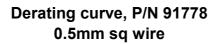
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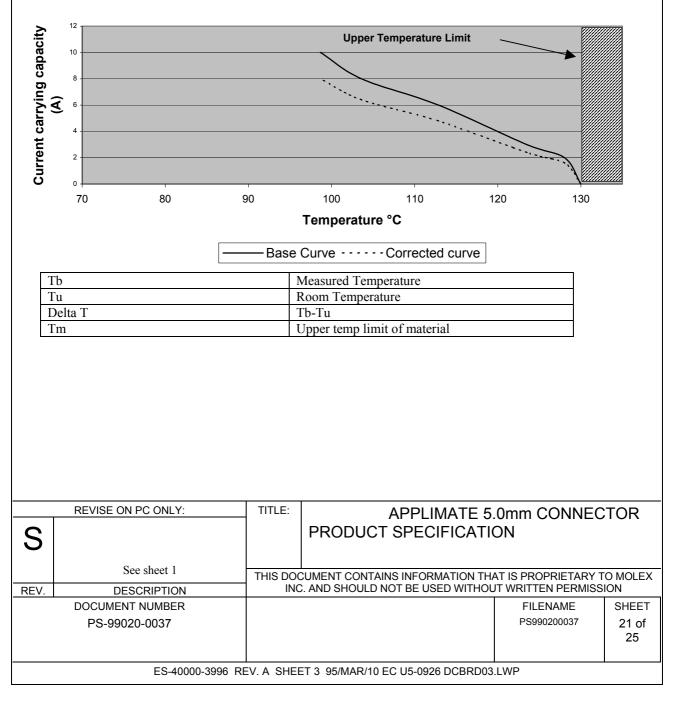




De-rating data and Curve for RAST 5, P/N 91778 terminated with 0.5mm² wire:

Current (Amps)	Tb	Tu	Delta T	Tm-delta	Current 20%
0			0	130	0
2	22.73	20.80	1.93	128.07	2
3	27.58	21.10	6.48	123.52	2
6	38.22	21.10	17.12	112.88	5
8	47.68	21.30	26.38	103.62	6
10	53.03	21.70	31.33	98.67	8





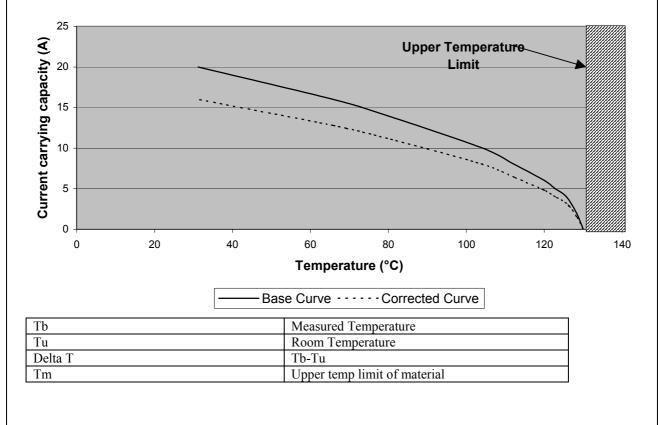




De-rating data and Curve for RAST 5, P/N 91778 terminated with 0.75mm² wire:

	Tb	Tu	Delta T	Tm-delta	Corrected
0			0	130	0
2	23.3	21.6	1.7	128.3	1.6
4	26.6	22.3	4.3	125.7	3.2
5	29.9	22.7	7.2	122.8	4
6	31.7	21.8	9.9	120.1	4.8
8	39.9	22.2	17.7	112.3	6.4
10	48.4	22.6	25.8	104.2	8
14	73.1	22.8	50.3	79.7	11.2
16	87	22.8	64.2	65.8	12.8
20	122.1	23.3	98.8	31.2	16

Derating curve P/N 91778 0.75sq wire



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					25	
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	Tb	Tu	Delta T	Tm-delta	Corrected
0			0	130	0
1	21.9	21.2	0.7	129.3	0.8
2	23.2	22.1	1.1	128.9	1.6
5	28.4	21.9	6.5	123.5	4.0
6	30.8	22.1	8.7	121.3	4.8
8	36.9	22.2	14.7	115.3	6.4
10	43.5	22.6	20.9	109.2	8.0
12	53.2	23.5	29.7	100.4	9.6
14	62.8	23.9	38.9	91.2	11.2
16	76.5	23.3	53.2	76.8	12.8
18	85.6	23.2	62.4	67.7	14.4
20	101.1	23.1	78.0	52.0	16.0
22	115.4	23.3	92.1	37.9	17.6
24	133.8	23.6	110.2	19.8	19.2

Derating curve P/N 91779 1.0mm cable 30 **Current Carrying Capacity Upper Temperature limit** 25 20 **र् 1**5 10 5 0 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 Temperature (°C) Base Curve ---- Corrected Curve Tb Measured Temperature Tu Room Temperature Delta T Tb-Tu Upper temp limit of material Tm TITLE: REVISE ON PC ONLY: **APPLIMATE 5.0mm CONNECTOR** S PRODUCT SPECIFICATION See sheet 1 THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION REV. DESCRIPTION DOCUMENT NUMBER FILENAME SHEET PS990200037 PS-99020-0037 23 of 25 ES-40000-3996 REV. A SHEET 3 95/MAR/10 EC U5-0926 DCBRD03.LWP

De-rating data and Curve for RAST 5, P/N 91779 terminated with 1.0mm² wire:



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