

<div></div>		PRODUCTION VERIFICATION PLAN AND REPORT						DVP NUMBER: 0018				DEPT: Product Engineering		
								ORIG. REL. DATE 8/12/02 REV. DATE 9/28/04				PLAN ORIGINATOR: Vinodh Purushothaman		
MX150 TERMINALS			Receptacle Terminal ga) Gold: 33001-0003(14ga), -0004(16/18/20ga), -0005 (22ga)		UPG NO:		CUSTOMER CONCURRENCE :				MANAGER APPV'L: Scott Marceau			
MODEL YEAR:		TEST SPEC.: Ford SDS Rev 11, 5/2002 SAE/USCAR-2Rev 3;Class 3 (April 01)Sealed SAE/USCAR-20 (11/01); SAE/USCAR-21 (8/01)		Blade Terminal Tin: 33000-0001 (14 ga), -0002 (16/18/20 ga), -0003(22 ga) Gold: 33011-0002(14ga), -0004(16/18/20ga), -0006 (22ga)		SOURCE:		REPORT DATE: 9/28/04				REPORTING ENGINEER : Vinodh Purushothaman		
*** TEST PLAN ***								*** TEST REPORT ***						
ITEM NO	PROCEDURE OR STANDARD	TEST DESCRIPTION	ACCEPTANCE CRITERIA	TEST RESPONSIBILITY	SCHEDULE				ACTUAL				MET/ NOT MET	
					PHASE	TYPE	QTY	START	COMPL	TR #	DATE	QTY		
Mechanical Tests														
1	Terminal - Connector Insertion/Extraction Force - Female			MOLEX	PV					TR2744	12/11/02			SAE/USCAR-2 Test Path #1
1.A	SAE/ USCAR- 2	[5. 8. 5]	5.4.1			6-C	16						MET	4.39 N max;
1.B.1	SAE/ USCAR- 2	[5. 8. 5]				6-C	1						MET	5.23 N max;
1.B.2	SAE/ USCAR- 2	[5. 8. 5]				6-C	10						MET*	51.1 N min.; * - TPA in pre-lock position creates forward stop (TR 2747)
1.C	SAE/ USCAR- 2	[5. 8. 5]				6-C	16						MET	5.71 N max;
1.D	SAE/ USCAR- 2	[5. 8. 5]				6-C	1						MET	5.78 N max;
1.E	SAE/ USCAR- 2	[5. 8. 5]				6-C	2						MET	213.5 N min; Follow 5.4.1.3B Procedure -Forward stop is TPA inside face in pre-lock position
1.F	SAE/ USCAR- 2	[5. 8. 5]				6-C	2						MET	211.5 N min;
1.G	SAE/ USCAR- 2	[5. 8. 5]				6-C	2						MET	161 N min;
				Advanced Tin Plating: 20 - 40 micro-inches Reflow tin over 10 - 40 micro inches Advanced Barrier plating										
2	Terminal to terminal Engage/Disengage Force													
2A	SAE/USCAR-2 (5.1.6)	Visual	*Terminals - No manufacturing or material defects such as fractures, cracks, excess burrs, tarnishing, etc.	MOLEX - AH	PV									
2B	SAE/USCAR-2 (5.2.1)	Terminal to terminal Engage/Disengage force	*Examine each test sample and note in detail any observable changes, such as swelling corrosion, discoloration, physical distortions, cracks, etc.	MOLEX - AH	PV	1-C 2-C	30 30			TR 2844	1/13/03		MET	3.8 N max.; 3.25 N avg; Std. Dev. 0.3 N; tin-plated blade terminals - 16 ga grip; 16 AWG v
2C	SAE/USCAR-2 (5.1.6)	Visual		MOLEX - AH	PV					TR 2045	3/23/01		MET	Advanced tin-plated receptacle terminals - 16 ga grip; 16 AWG wire; Qty: 30 2.04 N Avg.; S.Dev: 0.23 N for gold-plated terminals; Qty: 30
3	Terminal Bend Resistance													SAE/USCAR-2 Test Path #2
3A	SAE/USCAR-2 (5.1.6)	Visual	*Terminals - No manufacturing or material defects such as fractures, cracks, excess burrs, tarnishing, etc.	MOLEX - AH	PV					TR 2803	12/26/03			
3B	SAE/USCAR-2 (5.2.2)	Terminal Bend Resistance	Peak Force Required to bend 30±5 degrees from centerline > 10 N	MOLEX - AH	PV	1-C 2-C	30 30						MET MET	20.8 N min; Advanced tin-plated blade terminals - 16 ga grip; 16 AWG wire 13.4 N min; Advanced tin-plated receptacle terminals - 16 ga grip; 16 AWG wire
3C	SAE/USCAR-2 (5.1.6)	Visual	*Examine each test sample and note in detail any observable changes, such as swelling corrosion, discoloration, physical distortions, cracks, etc.	MOLEX - AH	PV									


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MX150 TERMINALS		Receptacle Terminal ga) Gold: 33001-0003(14ga), -0004(16/18/20ga), -0005 (22ga)		UPG NO:		CUSTOMER CONCURRENCE :				MANAGER APPV'L: Scott Marceau				
MODEL YEAR:		TEST SPEC.: Ford SDS Rev 11, 5/2002 SAE/USCAR-2Rev 3;Class 3 (April 01)Sealed SAE/USCAR-20 (11/01); SAE/USCAR-21 (8/01)		Blade Terminal Tin: 33000-0001 (14 ga), -0002 (16/18/20 ga), -0003(22 ga) Gold: 33011-0002(14ga), -0004(16/18/20ga), -0006 (22ga)		SOURCE:		REPORT DATE: 9/28/04				REPORTING ENGINEER : Vinodh Purushothaman		
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ITEM NO	PROCEDURE OR STANDARD	TEST DESCRIPTION	ACCEPTANCE CRITERIA	TEST RESPONSIBILITY	PHASE	TYPE	QTY	START	COMPL	TR #	DATE	QTY	MET/ NOT MET	
Crimp Optimization														
4A	Receptacle - 14 awg wire in 14 ga grip									TR 1945	2/27/01		MET	Plating: Reflow tin over nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 180 N Max. resistance after current cycling <= 0.55 m-ohms Max. resistance after Env. Electric test <= 0.55 m-ohms	MOLEX - AH	PV	2-C	500							Pull out force = 358 N Max. resistance at end of current cycling =0.11 m-ohms Max. resistance at end of Env. Electric test = 0.07 m-ohms
4B	Receptacle - 16 awg wire in 16/18/20 ga grip									TR 1891	2/23/01		MET	Plating: Reflow tin over nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 120 N Max. resistance after current cycling <= 0.55 m-ohms Max. resistance after Env. Electric test <= 0.55 m-ohms	MOLEX - AH	PV	2-C	500							Pull out force = 248 N Max. resistance at end of current cycling =0.28 m-ohms Max. resistance at end of Env. Electric test = 0.22 m-ohms
4C	Receptacle - 1.5 mm^2 wire in 14 ga grip									TR 2236	10/2/01		MET	Plating: Reflow tin over nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 135 N Max. resist. change after current cycling <= 0.33 m-ohms Max. resistance after Env. Electric test <= 0.33 m-ohms	MOLEX - AH	PV	2-C	500							Pull out force = 223 N Max. resistance change at end of current cycling =0.0 m-ohms Max. resistance change at end of Env. Electric test = 0.02 m-ohms
4D	Receptacle - 18 awg wire in 16/18/20 ga grip									TR 1891	2/23/01		MET	Plating: Reflow tin over nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 90 N Max. resistance after current cycling <= 0.55 m-ohms Max. resistance after Env. Electric test <= 0.55 m-ohms	MOLEX - AH	PV	2-C	500							Pull out force = 128 N Max. resistance at end of current cycling =0.18 m-ohms Max. resistance at end of Env. Electric test = 0.13 m-ohms
4E	Receptacle - 20 awg wire in 16/18/20 ga grip									TR 1891	2/23/01		MET	Plating: Reflow tin over nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 75 N Max. resist. change after current cycling <= 0.36 m-ohms Max. resistance after Env. Electric test <= 0.36 m-ohms	MOLEX - AH	PV	2-C	500							Pull out force = 110 N Max. resistance change at end of current cycling =0.16 m-ohms Max. resistance change at end of Env. Electric test = 0.0 m-ohms
4F	Receptacle - 1.0 mm^2 wire in 16/18/20 ga grip									TR 2236	10/2/01		MET	Plating: Reflow tin over nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 101 N Max. resist. change after current cycling <= 0.36 m-ohms Max. resistance after Env. Electric test <= 0.36 m-ohms	MOLEX - AH	PV	2-C	500							Pull out force = 192 N Max. resistance change at end of current cycling =0.07 m-ohms Max. resistance change at end of Env. Electric test = 0.04 m-ohms
4G	Receptacle - 0.75 mm^2 wire in 16/18/20 ga grip									TR 2236	10/2/01		MET	Plating: Reflow tin over nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 87 N Max. resistance after current cycling <= 0.55 m-ohms Max. resistance after Env. Electric test <= 0.55 m-ohms	MOLEX - AH	PV	2-C	500							Pull out force = 176 N Max. resistance at end of current cycling =0.16 m-ohms Max. resistance at end of Env. Electric test = 0.17 m-ohms

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MODEL YEAR:		TEST SPEC.: Ford SDS Rev 11, 5/2002 SAE/USCAR-2Rev 3;Class 3 (April 01)Sealed SAE/USCAR-20 (11/01); SAE/USCAR-21 (8/01)		Blade Terminal Tin: 33000-0001 (14 ga), -0002 (16/18/20 ga), -0003(22 ga) Gold: 33011-0002(14ga), -0004(16/18/20ga), -0006 (22ga)		SOURCE:		REPORT DATE: 9/28/04				REPORTING ENGINEER : Vinodh Purushothaman		
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ITEM NO	PROCEDURE OR STANDARD	TEST DESCRIPTION	ACCEPTANCE CRITERIA	TEST RESPONSIBILITY	SCHEDULE				ACTUAL			MET/ NOT MET		
					PHASE	TYPE	QTY	START	COMPL	TR #	DATE			QTY
4H	Receptacle - 22 awg wire in 22 ga grip									TR 2688	11/5/02		MET	Plating: Advanced tin
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 50 N Max. resistance after current cycling <= 0.55 m-ohms Max. resistance after Env. Electric test <= 0.55 m-ohms	MOLEX - AH	PV	2A-C	500							Pull out force = 74 N Max. resistance at end of current cycling =0.36 m-ohms Max. resistance at end of Env. Electric test = 0.30 m-ohms
4H.1	Receptacle - 22 awg wire in 22 ga grip (FOR COMPARISON W/TR 2688 (Above))									TR 1891	2/23/01		MET	Plating: Reflow tin over Nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 50 N Max. resistance after current cycling <= 0.55 m-ohms Max. resistance after Env. Electric test <= 0.55 m-ohms	MOLEX - AH	PV	2A-C	500							Pull out force = 79 N Max. resistance at end of current cycling =0.40 m-ohms Max. resistance at end of Env. Electric test = 0.22 m-ohms
4I	Receptacle - 0.50 mm^2 wire in 22 ga grip									TR 2236	10/2/01		MET	Plating: Reflow tin over nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 73 N Max. resist. change after current cycling <= 0.36 m-ohms Max. resistance after Env. Electric test <= 0.36 m-ohms	MOLEX - AH	PV	2-C	500							Pull out force = 90 N Max. resistance change at end of current cycling =0.13 m-ohms Max. resistance change at end of Env. Electric test = 0.04 m-ohms
5A	Blade - 14 awg wire in 14 ga grip									TR 1946	2/28/01		MET	Plating: Reflow tin over nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 180 N Max. resistance after current cycling <= 0.55 m-ohms Max. resistance after Env. Electric test <= 0.55 m-ohms	MOLEX - AH	PV	2-C	500							Pull out force = 386 N Max. resistance at end of current cycling =0.12 m-ohms Max. resistance at end of Env. Electric test = 0.08 m-ohms
5B	Blade - 16 awg wire in 16/18/20 ga grip									TR 1892	2/23/01		MET	Plating: Reflow tin over nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 120 N Max. resistance after current cycling <= 0.55 m-ohms Max. resistance after Env. Electric test <= 0.55 m-ohms	MOLEX - AH	PV	2-C	500							Pull out force = 241 N Max. resistance at end of current cycling =0.17 m-ohms Max. resistance at end of Env. Electric test = 0.18 m-ohms
5C	Blade - 1.5 mm^2 wire in 14 ga grip									TR 2235	10/2/01		MET	Plating: Reflow tin over nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 135 N Max. resistance after current cycling <= 0.55 m-ohms Max. resistance after Env. Electric test <= 0.55 m-ohms	MOLEX - AH	PV	2-C	500							Pull out force = 207 N Max. resistance at end of current cycling =0.24 m-ohms Max. resistance at end of Env. Electric test = 0.42 m-ohms
5D	Blade - 18 awg wire in 16/18/20 ga grip									TR 1892	2/23/01		MET	Plating: Reflow tin over nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 90 N Max. resistance after current cycling <= 0.55 m-ohms Max. resistance after Env. Electric test <= 0.55 m-ohms	MOLEX - AH	PV	2-C	500							Pull out force = 157 N Max. resistance at end of current cycling =0.16 m-ohms Max. resistance at end of Env. Electric test = 0.20 m-ohms
5E	Blade - 20 awg wire in 16/18/20 ga grip									TR 1892	2/23/01		MET	Plating: Reflow tin over nickel
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 75 N Max. resistance after current cycling <= 0.55 m-ohms Max. resistance after Env. Electric test <= 0.55 m-ohms	MOLEX - AH	PV	2-C	500							Pull out force = 113 N Max. resistance at end of current cycling =0.14 m-ohms Max. resistance at end of Env. Electric test = 0.12 m-ohms

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MX150 TERMINALS		Receptacle Terminal ga) Gold: 33001-0003(14ga), -0004(16/18/20ga), -0005 (22ga)		UPG NO:		CUSTOMER CONCURRENCE :						MANAGER APPV'L: Scott Marceau			
MODEL YEAR:		TEST SPEC.: Ford SDS Rev 11, 5/2002 SAE/USCAR-2Rev 3;Class 3 (April 01)Sealed SAE/USCAR-20 (11/01); SAE/USCAR-21 (8/01)		Blade Terminal Tin: 33000-0001 (14 ga), -0002 (16/18/20 ga), -0003(22 ga) Gold: 33011-0002(14ga), -0004(16/18/20ga), -0006 (22ga)		SOURCE:		REPORT DATE: 9/28/04						REPORTING ENGINEER : Vinodh Purushothaman	
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ITEM NO	PROCEDURE OR STANDARD	TEST DESCRIPTION	ACCEPTANCE CRITERIA	TEST RESPONSIBILITY	SCHEDULE				ACTUAL				MET/ NOT MET		
					PHASE	TYPE	QTY	START	COMPL	TR #	DATE	QTY			
5F	Blade - 1.0 mm^2 wire in 16/18/20 ga grip														
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 101 N Max. resistance after current cycling <= 0.55 m-ohms Max. resistance after Env. Electric test <= 0.55 m-ohms	MOLEX - AH	PV	2-C	500				TR 2235	10/2/01		MET	Plating: Reflow tin over nickel Pull out force = 233 N Max. resistance at end of current cycling =0.14 m-ohms Max. resistance at end of Env. Electric test = 0.28 m-ohms
5G	Blade - 0.75 mm^2 wire in 16/18/20 ga grip														
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 87 N Max. resistance after current cycling <= 0.55 m-ohms Max. resistance after Env. Electric test <= 0.55 m-ohms	MOLEX - AH	PV	2-C	500				TR 2235	10/2/01		MET	Plating: Reflow tin over nickel Pull out force = 168 N Max. resistance at end of current cycling =0.32 m-ohms Max. resistance at end of Env. Electric test = 0.25 m-ohms
5H	Blade - 22 awg wire in 22 ga grip														
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 50 N Max. resist. change after current cycling <= 0.45 m-ohms Max. resistance after Env. Electric test <= 0.45 m-ohms	MOLEX - AH	PV	2A-C	500				TR 1892	2/23/01		MET	Plating: Reflow tin over nickel Pull out force = 62 N Max. resistance change at end of current cycling =0.42 m-ohms Max. resistance change at end of Env. Electric test = 0.06 m-ohms
5I	Blade - 0.50 mm^2 wire in 22 ga grip														
	SAE/USCAR-21	Crimp Performance Specification	Pull out spec.(Avg. - 3s) >= 73 N Max. resist. change after current cycling <= 0.36 m-ohms Max. resistance after Env. Electric test <= 0.36 m-ohms	MOLEX - AH	PV	2-C	500				TR 2235	10/2/01		MET	Plating: Reflow tin over nickel Pull out force = 82 N Max. resistance change at end of current cycling =0.0 m-ohms Max. resistance change at end of Env. Electric test = 0.13 m-ohms
Terminal Electrical Test Figure # 5.8.4															
6	Maximum current Rating														
6A	SAE/USCAR-2 (5.1.6)	Visual	*Terminals - No manufacturing or material defects such as fractures, cracks, excess burrs, tarnishing, etc.	MOLEX - AH	PV	1-C	30				TR 2779	12/8/02		MET	SAE/USCAR-2 Test Path #3 Adv. Tin terminal rated at 18 amps; Test report with data is missing
6B	SAE/USCAR-2 (5.3.3)	Maximum current rating	Temperatur must never exceed 55 degrees Celcius Total connection resistance after test <= 10 m-ohm	MOLEX - AH	PV	2-C	30				TR 2041	3/8/01		MET	Gold terminals rated at 18 amps; Advanced Tin-plated blade terminals - 16 ga grip; 16 AWG wire (16 mil) Advanced Tin-plated receptacle terminals - 16 ga grip; 16 AWG wire (16 mil) Max. resistance = 1.92 m-ohms (tin) Max. resistance = 1.67 m-ohms (gold)
6C	SAE/USCAR-2 (5.1.6)	Visual	*Examine each test sample and note in detail any observable changes such as fractures, burrs, tarnishing	MOLEX - AH	PV										
7	1008 Hour Current Cycling														
7A	SAE/USCAR-2 (5.1.6)	Visual	*Terminals - No manufacturing or material defects such as fractures, cracks, excess burrs, tarnishing, etc.	MOLEX - AH	PV						TR 2777	2/5/03		MET	Tin terminals; Test report with data is missing
7B	SAE/USCAR-2 (5.3.4)	1008 Hour Current Cycling	Temperatur must never exceed 55 degrees Celcius Total connection resistance after test <= 10 m-ohm	MOLEX - AH	PV	1-C	30				TR 2040	4/24/01		MET	Gold terminals Terminals cycled at current level of 18 amps
7C	SAE/USCAR-2 (5.1.6)	Visual	*Examine each test sample and note in detail any observable changes, such as swelling corrosion,	MOLEX - AH	PV	21-C	32								
						22-C	32								

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MX150 TERMINALS		Receptacle Terminal ga) Gold: 33001-0003(14ga), -0004(16/18/20ga), -0005 (22ga)		UPG NO:		CUSTOMER CONCURRENCE :				MANAGER APPV'L: Scott Marceau							
MODEL YEAR:		TEST SPEC.: Ford SDS Rev 11, 5/2002 SAE/USCAR-2Rev 3;Class 3 (April 01)Sealed SAE/USCAR-20 (11/01); SAE/USCAR-21 (8/01)		Blade Terminal Tin: 33000-0001 (14 ga), -0002 (16/18/20 ga), -0003(22 ga) Gold: 33011-0002(14ga), -0004(16/18/20ga), -0006 (22ga)		SOURCE:		REPORT DATE: 9/28/04				REPORTING ENGINEER : Vinodh Purushothaman					
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SEALED CONNECTOR SYSTEM ENVIRONMENTAL (ELECTRICAL) TEST (Reference Figure # 5.8.6) TEMPERATURE CLASS 3																	
8	THERMAL SHOCK TEST - ELECTRICAL PERFORMANCE SEQUENCE											TR 2786	11/8/02		MET	SAE/USCAR-2 Test Path #8 Advanced tin Max. resistance 3.17 m-ohms; Tin-plated receptacle terminals - 16 ga grip;	
8A	SAE/USCAR-2 (5.1.6)	Visual	*Connectors - No cracks, short shots, or excess flash *Seals - No cuts or excess flash *Terminals - No manufacturing or material defects such as fractures, cracks, excess burrs, tarnishing, etc.	MOLEX - AH	PV							TR 2053	4/12/01		MET	Gold Max. resistance 2.37 m-ohms; Gold-plated receptacle terminals - 16 ga grip;	
8B	SAE/USCAR-2 (5.3.1)	Dry Circuit		MOLEX - AH	PV												
8C	SAE/USCAR-2 (5.3.2)	Voltage Drop	*After test mV/A ≤ 10 mΩ *Resistance between T1 and T2	MOLEX - AH	PV												
8D	SAE/USCAR-2 (5.6.1)	Thermal Shock Test		MOLEX - AH	PV	5-C	10									Blade connectors Receptacle connectors Tin blade terminals - 16 ga grip; 16 AWG wire (16 mil) Tin receptacle terminals - 16 ga grip; 16 AWG wire (16 mil)	
8E	SAE/USCAR-2 (5.3.1)		Dry Circuit	*Resistance between T ₂ and T ₃ ≤ 10 mΩ	MOLEX - AH	PV	25-C	8									4-way Blade connectors 4-way Receptacle connectors 32 Gold blade terminals - 16 ga grip; 16 AWG wire (16 mil) 32 gold receptacle terminals - 16 ga grip; 16 AWG wire (16 mil)
8F	SAE/USCAR-2 (5.3.2)		Voltage Drop	*After test mV/A ≤ 10 mΩ *Resistance between T1 and T2	MOLEX - AH	PV	21-C	32									
8G	SAE/USCAR-2 (5.1.6)		Visual	*Connectors - No cracks, short shots, or excess flash *Seals - No cuts or excess flash *Terminals - No manufacturing or material defects such as fractures, cracks, excess burrs, tarnishing, etc.	MOLEX - AH	PV	22-C	32									
9	Field Correlated Life Test (FCLT)																
9A	SAE/USCAR-20	FCLT @ 85 C	Crimp-interface-crimp resistance < 20 m-ohms	MOLEX - AH		5-C	4					TR 2783	2/10/03		MET	Max value at 85c = 3.90 milliohms, Sn; Blade connectors Receptacle connectors Advanced tin-plated blade terminals - 16 ga grip; 16 AWG wire (16 mil) Advanced tin-plated receptacle terminals - 16 ga grip; 16 AWG wire (16 mil) Gold; Max. resistance: 1.5 mm = 4.57 mΩ Test on gold terminals performed in 16-way Hybrid connectors (old); Qty: 36 term.	
9B	SAE/USCAR-20	FCLT @ 125 C	Crimp-interface-crimp resistance < 20 m-ohms	MOLEX - AH		5-C	5					TR 2782	1/10/03		MET	Max value at 125c = 4.21 milliohms, Sn Blade connectors Receptacle connectors Advanced tin-plated blade terminals - 16 ga grip; 16 AWG wire (16 mil) Advanced tin-plated receptacle terminals - 16 ga grip; 16 AWG wire (16 mil) Gold; Max. resistance: 1.5 mm = 2.09 mΩ Test on gold terminals performed in 16-way Hybrid connectors (old); Qty: 36 term. Test report with post-2nd cycle data is missing in TR 2662	

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UNSEALED (YAZAKI) CONNECTOR SYSTEM ENVIRONMENTAL (ELECTRICAL) TEST (Reference Figure # 5.8.6)																							
TEMPERATURE CLASS 2																							
10	THERMAL SHOCK TEST - ELECTRICAL PERFORMANCE SEQUENCE																						
10A	SAE/USCAR-2 (5.1.6)	Visual	*Connectors - No cracks, short shots, or excess flash *Seals - No cuts or excess flash *Terminals - No manufacturing or material defects such as fractures, cracks, excess burrs, tarnishing, etc.	MOLEX - AH	PV					TR 2846	3/7/03		MET	SAE/USCAR-2 Test Path #8									
10B	SAE/USCAR-2 (5.3.1)	Dry Circuit		MOLEX - AH	PV																		
10C	SAE/USCAR-2 (5.3.2)	Voltage Drop	*After test mV/A ≤ 10 mΩ *Resistance between T1 and T2	MOLEX - AH	PV									Max. resistance 4.19 m-ohms; Tin-plated receptacle terminals - 16 ga grip;									
10D	SAE/USCAR-2 (5.6.1)	Thermal Shock Test		MOLEX - AH	PV	15-C 16-C 1-C 2-C	10 10 40 40							Blade connectors Receptacle connectors Advanced tin-plated blade terminals - 16 ga grip; 16 AWG wire (16 mil) Advanced tin-plated receptacle terminals - 16 ga grip; 16 AWG wire (16 mil)									
10E	SAE/USCAR-2 (5.3.1)	Dry Circuit	*Resistance between T ₂ and T ₃ ≤ 10 mΩ	MOLEX - AH	PV																		
10F	SAE/USCAR-2 (5.3.2)	Voltage Drop	*After test mV/A ≤ 10 mΩ *Resistance between T1 and T2	MOLEX - AH	PV																		
10G	SAE/USCAR-2 (5.1.6)	Visual	*Connectors - No cracks, short shots, or excess flash *Seals - No cuts or excess flash *Terminals - No manufacturing or material defects such as fractures, cracks, excess burrs, tarnishing, etc.	MOLEX - AH	PV																		

