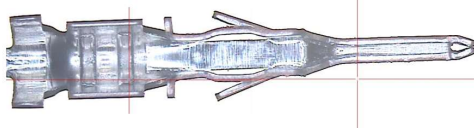




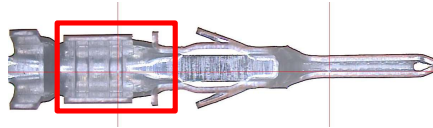






# Amphenol Communications Solutions

## Production/Engineering Change Notice

Code: ECN20230605-02

Customer :		AICE		Issue Date:		2023.Jun.05	
P/N:		MF30-HM1T		Description		Male Terminal for MF30 Housing Tinned Reel	
Items for change:			The mold is replaced by a new one.				
Reasons for change:			The old mold is EOL. We have to open a new one for production.				
Before Change				After Change			
Drawing No.		MF30-HM1T		Drawing No.		MF30-HM1T	
Rev.	A	Issue date:	2009.Mar.17	Rev.	B	Issue date:	2023.Jun.05
<div>1.</div> <div>Top view</div> <div></div> <div>Side view</div> <div></div> <div></div> <div>Front view</div> <div></div> <div>2. Section view:</div> <div></div>				<div>1.</div> <div>Top view</div> <div></div> <div>Side view</div> <div></div> <div></div> <div>Front view</div> <div></div> <div>2. Section view: Passed</div> <div></div>			

# Amphenol Communications Solutions

## Production/Engineering Change Notice

Code: ECN20230605-02

<b>3. Retention Force (2.5 kgf min)</b> <b>Passed</b> <table border="1"><tr><th>Item</th><th>#1</th><th>#2</th><th>#3</th></tr><tr><td>Old mold</td><td>5.054</td><td>4.985</td><td>4.889</td></tr></table> <b>Average: 4.976</b> <b>Unit : kgf</b>				Item	#1	#2	#3	Old mold	5.054	4.985	4.889	<b>3. Retention Force (2.5 kgf min)</b> <b>Passed</b> <table border="1"><tr><th>Item</th><th>#1</th><th>#2</th><th>#3</th></tr><tr><td>New mold</td><td>4.391</td><td>4.421</td><td>4.384</td></tr></table> <b>Average: 4.398</b> <b>Unit : kgf</b>				Item	#1	#2	#3	New mold	4.391	4.421	4.384				
Item	#1	#2	#3																								
Old mold	5.054	4.985	4.889																								
Item	#1	#2	#3																								
New mold	4.391	4.421	4.384																								
<b>4. Crimped terminal retention force (4.0 kgf min)</b> <b>Passed</b> <table border="1"><tr><th>#1</th><th>#2</th><th>#3</th><th>#4</th><th>#5</th></tr><tr><td>7.400</td><td>8.190</td><td>6.044</td><td>7.424</td><td>7.810</td></tr></table> <b>Average: 7.373</b> <b>Unit : kgf</b>				#1	#2	#3	#4	#5	7.400	8.190	6.044	7.424	7.810	<b>4. Crimped terminal retention force (4.0 kgf min)</b> <b>Passed</b> <table border="1"><tr><th>#1</th><th>#2</th><th>#3</th><th>#4</th><th>#5</th></tr><tr><td>7.863</td><td>7.994</td><td>7.609</td><td>7.338</td><td>7.797</td></tr></table> <b>Average: 7.720</b> <b>Unit : kgf</b>  <b>5. FAI : passed</b> <b>Please refer to the attachment</b>				#1	#2	#3	#4	#5	7.863	7.994	7.609	7.338	7.797
#1	#2	#3	#4	#5																							
7.400	8.190	6.044	7.424	7.810																							
#1	#2	#3	#4	#5																							
7.863	7.994	7.609	7.338	7.797																							
<p>The section view is no crack and the thickness of crimp flank to crimp barrel wall is in spec. There are no dimensions and functions changed. The new terminal is fully complying with the drawing, only some aspects are look different.</p>																											
Affected items list: MF30-HM1T																											
Implementation Date: 2023.Jun.19																											
<b>Approved by :</b>		Stephane		<b>Prepared by :</b>		Claire																					
<b>Reply by Customer:</b>																											
<b>Approved by:</b>				<b>Date:</b>																							
Remarks: Please confirm within three days in order to offer you better products. We (Amphenol) will do the change after your approval.																											

# Test Report

TEL: +31305358018

Address: Hoofdveste 19, 3992 DH Houten, The Netherlands

Report No.: ACS-CR230605-02

Reporting Date: 2023.Jun.05

Page: 1 of 2

Customer:	Customer's Address:
-----------	---------------------

Model / Item No. of Specimen: MF30-HM1T	Description of Specimen: Male terminal for MF30 Housing Tinned Reel
--	--

Received Date of Specimen:	Quantity of Specimen : 5 pcs	Testing Date : 31/05/2023
----------------------------	---------------------------------	------------------------------

Test Item: Crimped Terminal Retention Force	Test Method / Revision: EIA-364-13 or MIL-STD-1344A,2013.1
--	---

Test Conditions: Test Conditions: Speed : 25 mm/min retention force : 4.0 Kgf min.
---

Temperature of Environment : (25 ± 5) °C	Relative Humidity of Environment : (40 ~ 70) %
---	---

Test Place: 15 Rue Alexandre Vialatte, 39100 Dole, France
--

Remark:
---------

Information of Test Equipment					
Equipment Name	Equipment Numbering	Due Date of Calibration	Equipment Name	Equipment Numbering	Due Date of Calibration
Force Tester	E-Q14	2024/Nov./09			

- The specimen(s) and specimen information were provided by the client.
- The test result(s) shown in this report refer(s) only to the specimen(s) tested.
- This report cannot be allowed the section of extract duplicate without agreement consent in writing by laboratory, it could be except by duplicate all section.
- This report is invalid if it is not stamped or the content is altered.

Appraiser:

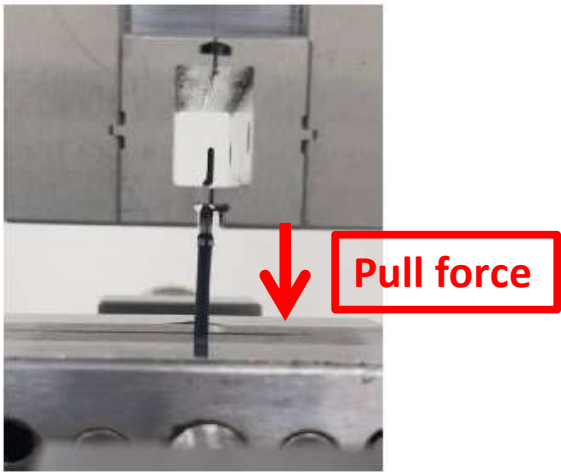
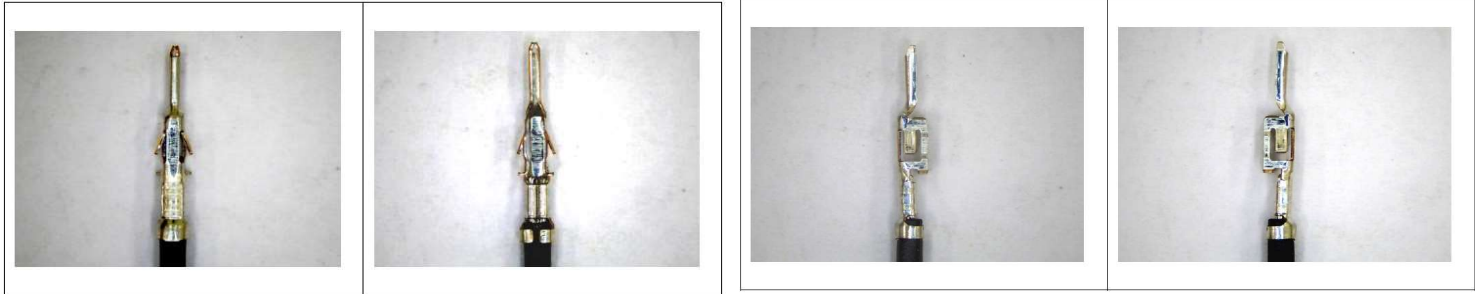


Approval:



## Test Result

### 1.Crimped Terminal Retention Force for MF30-HM1T



### 2. Test Data :

Sample#	#1	#2	#3	#4	#5	Judge
PN						
MF30-HM1T	7.863 kgf	7.994 kgf	7.609 kgf	7.338 kgf	7.797 kgf	Pass

### 3. Test summary : PASS

Null below

# Test Report

TEL: +31305358018

Address: Hoofdveste 19, 3992 DH Houten, The Netherlands

Report No.: ACS-RF230605-02

Reporting Date: 2023.Jun.05

Page: 1 of 2

Customer:	Customer's Address:
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Model / Item No. of Specimen: MF30-HM1T	Description of Specimen: Male Terminal for MF30 Housing Tinned Reel
--	--

Received Date of Specimen:	Quantity of Specimen : 3 pcs	Testing Date : 01/06/2023
----------------------------	---------------------------------	------------------------------

Test Item: Retention Force	Test Method / Revision: EIA-364-13 or MIL-STD-1344A,2013.1
-------------------------------	---

Test Conditions: Test Conditions: Speed : 25 mm/min retention force : 2.5 Kgf min.
---

Temperature of Environment : (25 ± 5) °C	Relative Humidity of Environment : (40 ~ 70) %
---	---

Test Place: 15 Rue Alexandre Vialatte, 39100 Dole, France
--

Remark:
---------

Information of Test Equipment					
Equipment Name	Equipment Numbering	Due Date of Calibration	Equipment Name	Equipment Numbering	Due Date of Calibration
Force Tester	E-Q14	2024/Nov./09			

- The specimen(s) and specimen information were provided by the client.
- The test result(s) shown in this report refer(s) only to the specimen(s) tested.
- This report cannot be allowed the section of extract duplicate without agreement consent in writing by laboratory, it could be except by duplicate all section.
- This report is invalid if it is not stamped or the content is altered.

Appraiser:

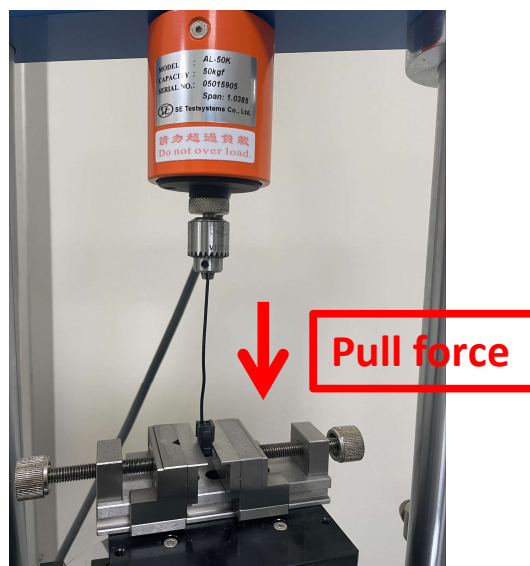
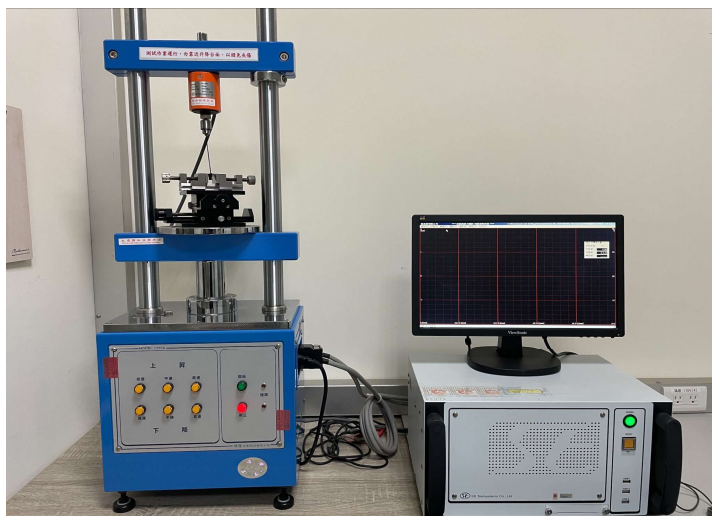


Approval:



## Test Result

### 1.Retention Force for MF30-HM1T



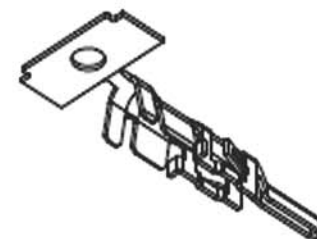
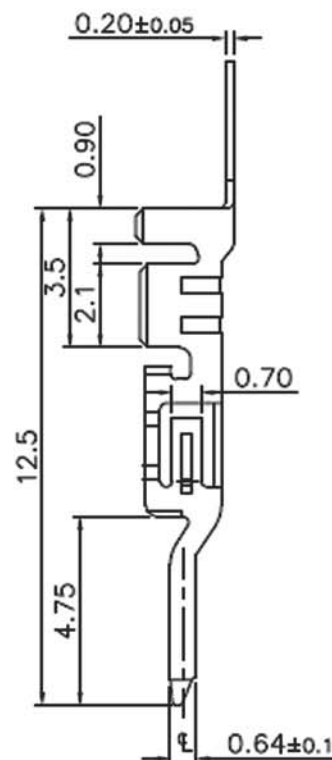
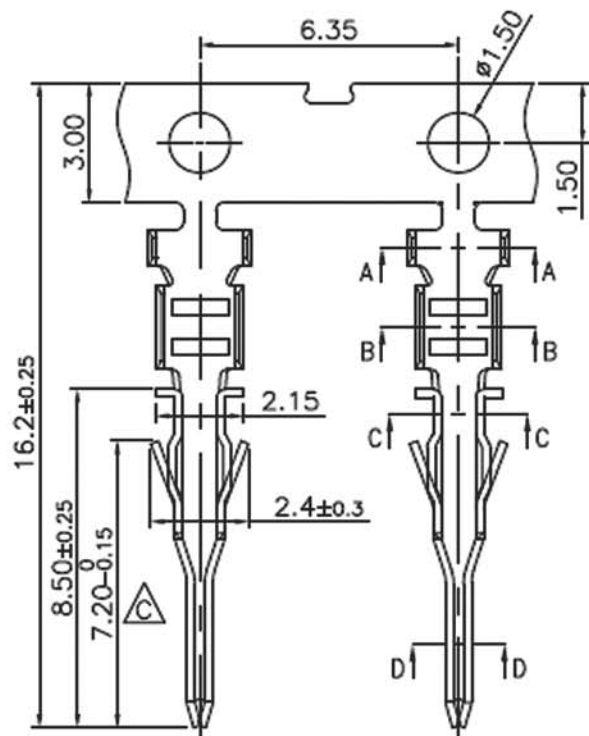
### 2. Test Data :

PN \ Sample#	Sample#			Judge
	#1	#2	#3	
MF30-HM1T	4.391 kgf	4.421 kgf	4.384 kgf	Pass

### 3. Test summary : PASS

Null below



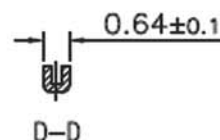
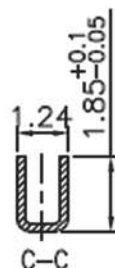
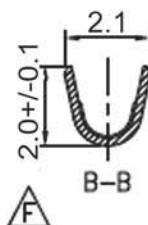
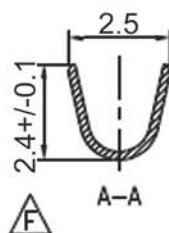


Specifications:  
 Current Rating: 5.0A AC/DC #22AWG  
 Voltage Rating: 250V AC/DC  
 Contact Resistance: 10m ohm. max.  
 Withstanding Voltage: 1,500V AC/minute  
 Operating Temperature Range: -25°C~+85°C  
 Application Wires: AWG 20-24  
 Mates With MF30-HMD1A-XX-B

MF30-HMDO-XX

MF30-HMD1-XX

Material and Finish  
 Contact: Phosphor Bronze  
 Finish: Tin Plated  
 Packing: 10,000pcs/Reel



TOLERANCE (mm)	APPROVALS	DATE	TITLE	AMPHENOL
X ±0.3	OWNER Stephane	05/Jun/2023	3.0 Power Connector Male Terminal	Amphenol European Design Center
XX ±0.2	DESIGNER Rob	05/Jun/2023		
XXX ±0.15	APPROVED Rob	05/Jun/2023		
UNLESS OTHERWISE SPECIFIED	UNIT:  mm	SIZE:  mm	DRAWING N°	Scale N.A. Sheet 1 of 1
			MF30-HM1T	REV. B