

HDT

PRODUCT SPECIFICATION

MOLEX

## 1. SCOPE

THIS SPECIFICATION COVERS GENERAL REQUIREMENT FOR PRODUCT PERFORMANCE AND TEST METHOD OF SPADE TERMINAL SERIES

## 2. PRODUCT DESCRIPTION


## 2.1 PART NAME AND PART NUMBER

PRODUCT NAME	PART NUMBER	REMARK
SPADE TERMINAL (TEL.WIRE)	PS35749-05*0	—————
SPADE TERMINAL - 20	PS35749-08*0	—————
SPADE TERMINAL - 18	PS35749-09*0	—————
SIDE SPADE TERMINAL	PS35749-1010	PRE-PLATED TIN
SPADE TERMINAL - D/P	PS35749-1310	PRE-PLATED TIN
SPADE TERMINAL - S/A	PS35749-1460	PRE-PLATED Ni

\* : 0 (UNPLATED)  
 1 (POST PLATED TIN)  
 4 (POST PLATED TIN-LEAD)

## 2.2 MATERIALS AND PLATINGS

SEE THE APPROPRIATE DRAWING FOR INFORMATION ON MATERIALS AND PLATINGS.

TITLE : SPADE TERMINAL SERIES	THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO HDT, AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DRAWN BY	J.S.KANG
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NO : PS-030	DATE : 1993.12.14	SHEET : 1 of 3	REV : C
APP'D BY			

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## 3. APPLICABLE WIRES

PART NUMBER	WIRE RANGE	OUT SIDE INSUL.DIA.
35749-05*0	AWG #30-#26	1.3 mm MAX.
35749-08*0	AWG #22-#18	2.1 mm MAX.
35749-09*0	AWG #20-#16	2.4 mm MAX.
35749-10*0	AWG #30-#26	1.3 mm MAX.
35749-1310	AWG #30-#26	0.8-1.4 mm
35749-1460	AWG #20-#18	2.2-3.2 mm

## 4. PERFORMANCE SPECIFICATION

ITEM	TEST CONDITION	REQUIREMENT	
		WIRE SIZE	PULLOUT FORCE (MIN.)
WIRE PULLOUT FORCE	APPLY AN AXIAL PULLOUT FORCE ON A WIRE AT A RATE OF 25 +/-6mm PER MINUTE.	AWG#30	1.0 Kgf
		AWG#28	1.0 Kgf
		AWG#26	2.0 Kgf
		AWG#24	3.0 Kgf
		AWG#22	3.9 Kgf
		AWG#20	6.1 Kgf
		AWG#18	8.2 Kgf
		AWG#16	13.3 Kgf

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ITEM	TEST CONDITION		REQUIREMENT
ELECTRICAL RESISTANCE	MEASURE THE ELECTRICAL RESISTANCE ON CRIMPING PART AT THE TEST CURRENT LOAD.		1.0 m $\Omega$ MAX.
	WIRE	TEST CURRENT	
	AWG#30	1.0 A	
	AWG#28	1.5 A	
	AWG#26	2.0 A	
	AWG#24	3.0 A	
	AWG#22	4.0 A	
	AWG#20	7.0 A	
AWG#18	10.0 A		
AWG#16	15.0 A		
SALT SPRAY	PUT THE TERMINAL INTO THE CHAMBER AT 35 +/-2 °C AND SPRAY 5% SOLUTION OF NaCl FOR 48 HOURS.		*APPEARANCE:NO DAMAGE *ELECTRICAL RESISTANCE : 2.0 m $\Omega$ MAX.

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