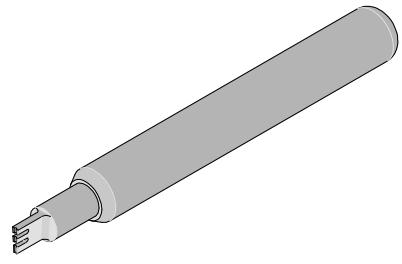




**Manual Insulation
Displacement Insertion Tool
Instruction Sheet
Order No. 63813-3504**



FEATURES

- This displacement tool is used for insertion of all discrete wires into all feed-through or feed-to KK® 2.54mm (.100") IDT housings
- This tool is designed to assure proper seating of wires and reduce operator fatigue
- Low cost prototyping tool

SCOPE

Products: All 2.54mm (.100") Pitch KK® Insulation Displacement (IDT) Connectors.

Identification			Type of Wire Terminated	Insulation Diameter Maximum	
Connector Series No.	Color Stripe Code	ID Slot Version		mm	In.
7720	Brown	A	28 AWG-Stranded tinned copper 28 AWG-Solid tinned copper 28 AWG-Stranded top coated copper 26 AWG-Stranded tinned copper	1.52	.060
40555	Brown	A	26 AWG-Stranded tinned copper	1.47	.058
7720	Black	F	22 AWG-stranded tinned copper	1.52	.060
7720	Green	H	24 AWG-Solid tinned copper	1.52	.060
40555			26 AWG-Stranded top coated copper 24 AWG-Stranded tinned copper 24 AWG-Stranded top coated copper	1.47	.058
7720S			24 AWG-Stranded 24 AWG-Solid and fused 28 AWG fused	1.42	.056
40555	Brown	J	26 AWG-Stranded 28 AWG-Solid and stranded		
40555	None	F	24 AWG-Topcoat wire	1.47	.058

The following is a partial list of the product part numbers and their specifications that this tool is designed to run. We will be adding to this list and an up to date copy is available on www.molex.com.

Connector Series No.	Color Code Brown								
	Connector Order No.								
7720	22-26-7021	22-26-8171	22-41-3051	22-41-4201	22-45-7054	22-45-8111	22-45-9080	22-45-9184	
	22-26-7031	22-26-8181	22-41-3061	22-41-4211	22-45-7061	22-45-8121	22-45-9081	22-45-9189	
	22-26-7041	22-26-8191	22-41-3071	22-41-4221	22-45-7064	22-45-8131	22-45-9084	22-45-9190	
	22-26-7051	22-26-8201	22-41-3081	22-41-4231	22-45-7073	22-45-8141	22-45-9089	22-45-9191	
	22-26-7061	22-26-8211	22-41-3091	22-41-4241	22-45-7074	22-45-8151	22-45-9090	22-45-9194	
	22-26-7071	22-26-8221	22-41-3101	22-41-4251	22-45-7081	22-45-8161	22-45-9091	22-45-9199	
	22-26-7081	22-26-8231	22-41-3111	22-41-4261	22-45-7083	22-45-8171	22-45-9094	22-45-9200	
	22-26-7091	22-26-8241	22-41-3121	22-41-4271	22-45-7084	22-45-8181	22-45-9099	22-45-9201	
	22-26-7101	22-26-8251	22-41-3131	22-41-4281	22-45-7087	22-45-8191	22-45-9100	22-45-9204	
	22-26-7111	22-26-8261	22-41-3141	22-41-5021	22-45-7089	22-45-8201	22-45-9101	22-45-9209	

Color Code Brown								
Connector Series No.	Connector Order No.							
7720	22-26-7121	22-26-8271	22-41-3151	22-41-5031	22-45-7094	22-45-8211	22-45-9104	22-45-9210
	22-26-7131	22-26-8281	22-41-3161	22-41-5041	22-45-7104	22-45-8221	22-45-9109	22-45-9211
	22-26-7141	22-26-9021	22-41-3171	22-41-5051	22-45-7114	22-45-8231	22-45-9110	22-45-9214
	22-26-7151	22-26-9031	22-41-3181	22-41-5061	22-45-7124	22-45-8241	22-45-9111	22-45-9219
	22-26-7161	22-26-9041	22-41-3191	22-41-5071	22-45-7131	22-45-8251	22-45-9114	22-45-9220
	22-26-7171	22-26-9051	22-41-3201	22-41-5081	22-45-7134	22-45-8261	22-45-9119	22-45-9221
	22-26-7181	22-26-9061	22-41-3211	22-41-5091	22-45-7143	22-45-8271	22-45-9120	22-45-9224
	22-26-7191	22-26-9071	22-41-3221	22-41-5101	22-45-7144	22-45-8281	22-45-9121	22-45-9229
	22-26-7201	22-26-9081	22-41-3231	22-41-5111	22-45-7154	22-45-9020	22-45-9124	22-45-9230
	22-26-7211	22-26-9091	22-41-3241	22-41-5121	22-45-7164	22-45-9021	22-45-9129	22-45-9231
	22-26-7221	22-26-9101	22-41-3251	22-41-5131	22-45-7174	22-45-9024	22-45-9130	22-45-9234
	22-26-7231	22-26-9111	22-41-3261	22-41-5141	22-45-7184	22-45-9029	22-45-9131	22-45-9239
	22-26-7241	22-26-9121	22-41-3271	22-41-5151	22-45-7194	22-45-9030	22-45-9134	22-45-9240
	22-26-7251	22-26-9131	22-41-3281	22-41-5161	22-45-7204	22-45-9031	22-45-9139	22-45-9241
	22-26-7261	22-26-9141	22-41-4021	22-41-5171	22-45-7214	22-45-9034	22-45-9140	22-45-9244
	22-26-7271	22-26-9151	22-41-4031	22-41-5181	22-45-7224	22-45-9039	22-45-9141	22-45-9249
	22-26-7281	22-26-9161	22-41-4041	22-41-5191	22-45-7234	22-45-9040	22-45-9144	22-45-9250
	22-26-8021	22-26-9171	22-41-4051	22-41-5201	22-45-7241	22-45-9041	22-45-9149	22-45-9251
	22-26-8031	22-26-9181	22-41-4061	22-41-5211	22-45-7244	22-45-9044	22-45-9150	22-45-9254
	22-26-8041	22-26-9191	22-41-4071	22-41-5221	22-45-7254	22-45-9049	22-45-9151	22-45-9259
	22-26-8051	22-26-9201	22-41-4081	22-41-5231	22-45-7264	22-45-9050	22-45-9154	22-45-9260
	22-26-8061	22-26-9211	22-41-4091	22-41-5241	22-45-7274	22-45-9051	22-45-9159	22-45-9261
	22-26-8071	22-26-9221	22-41-4101	22-41-5251	22-45-7284	22-45-9054	22-45-9160	22-45-9264
	22-26-8081	22-26-9231	22-41-4111	22-41-5261	22-45-8021	22-45-9059	22-45-9161	22-45-9269
	22-26-8091	22-26-9241	22-41-4121	22-41-5271	22-45-8031	22-45-9060	22-45-9164	22-45-9270
	22-26-8101	22-26-9251	22-41-4131	22-41-5281	22-45-8041	22-45-9061	22-45-9169	22-45-9271
	22-26-8111	22-26-9261	22-41-4141	22-45-7021	22-45-8051	22-45-9064	22-45-9170	22-45-9274
	22-26-8121	22-26-9271	22-41-4151	22-45-7024	22-45-8061	22-45-9069	22-45-9171	22-45-9279
	22-26-8131	22-26-9281	22-41-4161	22-45-7031	22-45-8071	22-45-9070	22-45-9174	22-45-9280
	22-26-8141	22-41-3021	22-41-4171	22-45-7034	22-45-8081	22-45-9071	22-45-9179	22-45-9281
	22-26-8151	22-41-3031	22-41-4181	22-45-7044	22-45-8091	22-45-9074	22-45-9180	22-45-9284
	22-26-8161	22-41-3041	22-41-4191	22-45-7053	22-45-8101	22-45-9079	22-45-9181	22-45-9289
7720S	38-00-2032	38-00-2043	38-00-2054	38-00-2068	38-00-2079	38-00-2093	38-00-2104	38-00-2115
	38-00-2033	38-00-2044	38-00-2055	38-00-2069	38-00-2080	38-00-2094	38-00-2105	38-00-2116
	38-00-2034	38-00-2045	38-00-2056	38-00-2070	38-00-2081	38-00-2095	38-00-2106	38-00-2117
	38-00-2035	38-00-2046	38-00-2057	38-00-2071	38-00-2082	38-00-2096	38-00-2107	38-00-2118
	38-00-2036	38-00-2047	38-00-2058	38-00-2072	38-00-2083	38-00-2097	38-00-2108	38-00-0579
	38-00-2037	38-00-2048	38-00-2062	38-00-2073	38-00-2084	38-00-2098	38-00-2109	
	38-00-2038	38-00-2049	38-00-2063	38-00-2074	38-00-2085	38-00-2099	38-00-2110	
	38-00-2039	38-00-2050	38-00-2064	38-00-2075	38-00-2086	38-00-2100	38-00-2111	
	38-00-2040	38-00-2051	38-00-2065	38-00-2076	38-00-2087	38-00-2101	38-00-2112	
	38-00-2041	38-00-2052	38-00-2066	38-00-2077	38-00-2088	38-00-2102	38-00-2113	
40555	38-00-2042	38-00-2053	38-00-2067	38-00-2078	38-00-2092	38-00-2103	38-00-2114	
	22-41-6024	22-41-6064	22-41-6104	22-41-6144	22-41-6184	22-41-6224	22-41-6264	
	22-41-6034	22-41-6074	22-41-6114	22-41-6154	22-41-6194	22-41-6234	22-41-6274	
	22-41-6044	22-41-6084	22-41-6124	22-41-6164	22-41-6204	22-41-6244	22-41-6284	
	22-41-6054	22-41-6094	22-41-6134	22-41-6174	22-41-6214	22-41-6254		

Connector Series No.	Color Code No Color							
	Connector Order No.							
40555	22-41-6051	22-41-6121	22-41-6191	22-41-6261	22-41-8041	22-41-8072	22-41-8111	22-41-8162
	22-41-6061	22-41-6131	22-41-6201	22-41-6271	22-41-8042	22-41-8081	22-41-8112	
	22-41-6071	22-41-6141	22-41-6211	22-41-6281	22-41-8051	22-41-8082	22-41-8121	
	22-41-6081	22-41-6151	22-41-6221	22-41-8021	22-41-8052	22-41-8091	22-41-8122	

OPERATION:

Intended for prototyping purposes only, follow the steps below:

1. Place the connector on a flat surface.
2. For feed through or feed-to, line up the wire into position above the connector.
3. Using the tool, press the wire into the housing making sure the insertion tool clears the terminals.
4. Push down until the bottom of the wire is touching the housing and the top of the wire is below the strain relief eagles on both sides of the connector or one end if it is the last connector of the harness. See Figure 1.
5. Molex does not repair this tool due to the inexpensive nature of these tools.

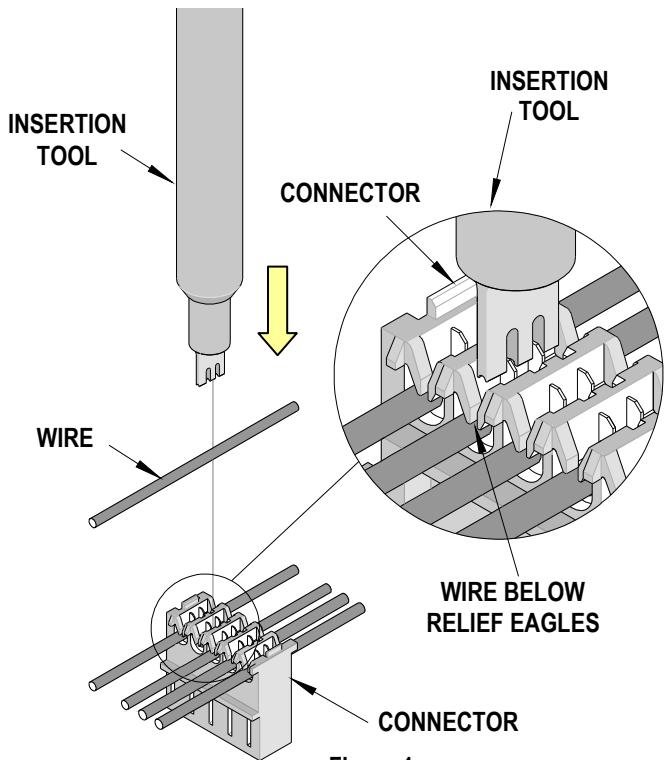


Figure 1

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