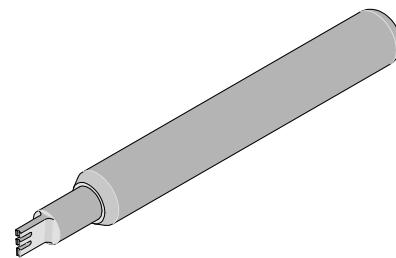




**Manual Insulation  
Displacement Insertion Tool  
Instruction Sheet  
Order No. 63813-3504**



**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	Green	H	24 AWG-Stranded 24 AWG-Solid and fused 28 AWG fused	1.42	.056
	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](http://www.molex.com).

Color Code Brown								
Connector Series No.	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	
	38-00-2042	38-00-2053	38-00-2067	38-00-2078	38-00-2092	38-00-2103	38-00-2114	
	40555	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		

Color Code Black								
Connector Series No.	Connector Order No.							
7720	22-42-3020	22-42-3190	22-42-5090	22-42-5260	22-42-6160	22-42-7060	22-42-7230	22-45-6131
	22-42-3021	22-42-3191	22-42-5091	22-42-5261	22-42-6161	22-42-7061	22-42-7231	22-45-6135
	22-42-3022	22-42-3192	22-42-5092	22-42-5262	22-42-6162	22-42-7062	22-42-7232	22-45-6136
	22-42-3023	22-42-3193	22-42-5093	22-42-5263	22-42-6163	22-42-7063	22-42-7233	22-45-6137
	22-42-3024	22-42-3194	22-42-5094	22-42-5264	22-42-6164	22-42-7064	22-42-7234	22-45-6138
	22-42-3025	22-42-3195	22-42-5095	22-42-5265	22-42-6165	22-42-7065	22-42-7235	22-45-6139
	22-42-3030	22-42-3200	22-42-5100	22-42-5270	22-42-6170	22-42-7070	22-42-7240	22-45-6141
	22-42-3031	22-42-3201	22-42-5101	22-42-5271	22-42-6171	22-42-7071	22-42-7241	22-45-6145
	22-42-3032	22-42-3202	22-42-5102	22-42-5272	22-42-6172	22-42-7072	22-42-7242	22-45-6146
	22-42-3033	22-42-3203	22-42-5103	22-42-5273	22-42-6173	22-42-7073	22-42-7243	22-45-6147
	22-42-3034	22-42-3204	22-42-5104	22-42-5274	22-42-6174	22-42-7074	22-42-7244	22-45-6148
	22-42-3035	22-42-3205	22-42-5105	22-42-5275	22-42-6175	22-42-7075	22-42-7245	22-45-6149
	22-42-3040	22-42-3210	22-42-5110	22-42-5280	22-42-6180	22-42-7080	22-42-7250	22-45-6151
	22-42-3041	22-42-3211	22-42-5111	22-42-5281	22-42-6181	22-42-7081	22-42-7251	22-45-6155
	22-42-3042	22-42-3212	22-42-5112	22-42-5282	22-42-6182	22-42-7082	22-42-7252	22-45-6156
	22-42-3043	22-42-3213	22-42-5113	22-42-5283	22-42-6183	22-42-7083	22-42-7253	22-45-6157
	22-42-3044	22-42-3214	22-42-5114	22-42-5284	22-42-6184	22-42-7084	22-42-7254	22-45-6158
	22-42-3045	22-42-3215	22-42-5115	22-42-5285	22-42-6185	22-42-7085	22-42-7255	22-45-6159
	22-42-3050	22-42-3220	22-42-5120	22-42-6020	22-42-6190	22-42-7090	22-42-7260	22-45-6161
	22-42-3051	22-42-3221	22-42-5121	22-42-6021	22-42-6191	22-42-7091	22-42-7261	22-45-6165
	22-42-3052	22-42-3222	22-42-5122	22-42-6022	22-42-6192	22-42-7092	22-42-7262	22-45-6166
	22-42-3053	22-42-3223	22-42-5123	22-42-6023	22-42-6193	22-42-7093	22-42-7263	22-45-6167
	22-42-3054	22-42-3224	22-42-5124	22-42-6024	22-42-6194	22-42-7094	22-42-7264	22-45-6168
	22-42-3055	22-42-3225	22-42-5125	22-42-6025	22-42-6195	22-42-7095	22-42-7265	22-45-6169
	22-42-3060	22-42-3230	22-42-5130	22-42-6030	22-42-6200	22-42-7100	22-42-7270	22-45-6171
	22-42-3061	22-42-3231	22-42-5131	22-42-6031	22-42-6201	22-42-7101	22-42-7271	22-45-6175
	22-42-3062	22-42-3232	22-42-5132	22-42-6032	22-42-6202	22-42-7102	22-42-7272	22-45-6176
	22-42-3063	22-42-3233	22-42-5133	22-42-6033	22-42-6203	22-42-7103	22-42-7273	22-45-6177
	22-42-3064	22-42-3234	22-42-5134	22-42-6034	22-42-6204	22-42-7104	22-42-7274	22-45-6178
	22-42-3065	22-42-3235	22-42-5135	22-42-6035	22-42-6205	22-42-7105	22-42-7275	22-45-6179
	22-42-3070	22-42-3240	22-42-5140	22-42-6040	22-42-6210	22-42-7110	22-42-7280	22-45-6181
	22-42-3071	22-42-3241	22-42-5141	22-42-6041	22-42-6211	22-42-7111	22-42-7281	22-45-6185
	22-42-3072	22-42-3242	22-42-5142	22-42-6042	22-42-6212	22-42-7112	22-42-7282	22-45-6186
	22-42-3073	22-42-3243	22-42-5143	22-42-6043	22-42-6213	22-42-7113	22-42-7283	22-45-6187
	22-42-3074	22-42-3244	22-42-5144	22-42-6044	22-42-6214	22-42-7114	22-42-7284	22-45-6188
	22-42-3075	22-42-3245	22-42-5145	22-42-6045	22-42-6215	22-42-7115	22-42-7285	22-45-6189
	22-42-3080	22-42-3250	22-42-5150	22-42-6050	22-42-6220	22-42-7120	22-45-6021	22-45-6191
	22-42-3081	22-42-3251	22-42-5151	22-42-6051	22-42-6221	22-42-7121	22-45-6025	22-45-6195
	22-42-3082	22-42-3252	22-42-5152	22-42-6052	22-42-6222	22-42-7122	22-45-6026	22-45-6196
	22-42-3083	22-42-3253	22-42-5153	22-42-6053	22-42-6223	22-42-7123	22-45-6027	22-45-6197
22-42-3084	22-42-3254	22-42-5154	22-42-6054	22-42-6224	22-42-7124	22-45-6028	22-45-6198	
22-42-3085	22-42-3255	22-42-5155	22-42-6055	22-42-6225	22-42-7125	22-45-6029	22-45-6199	
22-42-3090	22-42-3260	22-42-5160	22-42-6060	22-42-6230	22-42-7130	22-45-6031	22-45-6201	
22-42-3091	22-42-3261	22-42-5161	22-42-6061	22-42-6231	22-42-7131	22-45-6035	22-45-6205	
22-42-3092	22-42-3262	22-42-5162	22-42-6062	22-42-6232	22-42-7132	22-45-6036	22-45-6206	
22-42-3093	22-42-3263	22-42-5163	22-42-6063	22-42-6233	22-42-7133	22-45-6037	22-45-6207	
22-42-3094	22-42-3264	22-42-5164	22-42-6064	22-42-6234	22-42-7134	22-45-6038	22-45-6208	
22-42-3095	22-42-3265	22-42-5165	22-42-6065	22-42-6235	22-42-7135	22-45-6039	22-45-6209	
22-42-3100	22-42-3270	22-42-5170	22-42-6070	22-42-6240	22-42-7140	22-45-6041	22-45-6211	
22-42-3101	22-42-3271	22-42-5171	22-42-6071	22-42-6241	22-42-7141	22-45-6045	22-45-6215	
22-42-3102	22-42-3272	22-42-5172	22-42-6072	22-42-6242	22-42-7142	22-45-6046	22-45-6216	
22-42-3103	22-42-3273	22-42-5173	22-42-6073	22-42-6243	22-42-7143	22-45-6047	22-45-6217	
22-42-3104	22-42-3274	22-42-5174	22-42-6074	22-42-6244	22-42-7144	22-45-6048	22-45-6218	

Insertion Tool for 2.54mm (.100") Pitch KK® IDT Crimp Terminals

7720	22-42-3105	22-42-3275	22-42-5175	22-42-6075	22-42-6245	22-42-7145	22-45-6049	22-45-6219
	22-42-3110	22-42-3280	22-42-5180	22-42-6080	22-42-6250	22-42-7150	22-45-6051	22-45-6221
	22-42-3111	22-42-3281	22-42-5181	22-42-6081	22-42-6251	22-42-7151	22-45-6055	22-45-6225
	22-42-3112	22-42-3282	22-42-5182	22-42-6082	22-42-6252	22-42-7152	22-45-6056	22-45-6226
	22-42-3113	22-42-3283	22-42-5183	22-42-6083	22-42-6253	22-42-7153	22-45-6057	22-45-6227
	22-42-3114	22-42-3284	22-42-5184	22-42-6084	22-42-6254	22-42-7154	22-45-6058	22-45-6228
	22-42-3115	22-42-3285	22-42-5185	22-42-6085	22-42-6255	22-42-7155	22-45-6059	22-45-6229
	22-42-3120	22-42-5020	22-42-5190	22-42-6090	22-42-6260	22-42-7160	22-45-6061	22-45-6231
	22-42-3121	22-42-5021	22-42-5191	22-42-6091	22-42-6261	22-42-7161	22-45-6065	22-45-6235
	22-42-3122	22-42-5022	22-42-5192	22-42-6092	22-42-6262	22-42-7162	22-45-6066	22-45-6236
	22-42-3123	22-42-5023	22-42-5193	22-42-6093	22-42-6263	22-42-7163	22-45-6067	22-45-6237
	22-42-3124	22-42-5024	22-42-5194	22-42-6094	22-42-6264	22-42-7164	22-45-6068	22-45-6238
	22-42-3125	22-42-5025	22-42-5195	22-42-6095	22-42-6265	22-42-7165	22-45-6069	22-45-6239
	22-42-3130	22-42-5030	22-42-5200	22-42-6100	22-42-6270	22-42-7170	22-45-6071	22-45-6241
	22-42-3131	22-42-5031	22-42-5201	22-42-6101	22-42-6271	22-42-7171	22-45-6075	22-45-6245
	22-42-3132	22-42-5032	22-42-5202	22-42-6102	22-42-6272	22-42-7172	22-45-6076	22-45-6246
	22-42-3133	22-42-5033	22-42-5203	22-42-6103	22-42-6273	22-42-7173	22-45-6077	22-45-6247
	22-42-3134	22-42-5034	22-42-5204	22-42-6104	22-42-6274	22-42-7174	22-45-6078	22-45-6248
	22-42-3135	22-42-5035	22-42-5205	22-42-6105	22-42-6275	22-42-7175	22-45-6079	22-45-6249
	22-42-3140	22-42-5040	22-42-5210	22-42-6110	22-42-6280	22-42-7180	22-45-6081	22-45-6251
	22-42-3141	22-42-5041	22-42-5211	22-42-6111	22-42-6281	22-42-7181	22-45-6085	22-45-6255
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Color Code Green								
Connector Series No.	Connector Order No.							
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	22-26-7042	22-26-8245	22-41-4092	22-42-4055	22-42-4173	22-45-5033	22-45-7155	22-45-8247
	22-26-7052	22-26-8252	22-41-4102	22-42-4060	22-42-4174	22-45-5043	22-45-7156	22-45-8257

Insertion Tool for 2.54mm (.100") Pitch KK® IDT Crimp Terminals

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	22-26-7092	22-26-8272	22-41-4142	22-42-4064	22-42-4182	22-45-5083	22-45-7168	22-45-9022
	22-26-7102	22-26-8275	22-41-4152	22-42-4065	22-42-4183	22-45-5093	22-45-7175	22-45-9028
	22-26-7112	22-26-8282	22-41-4162	22-42-4070	22-42-4184	22-45-5103	22-45-7176	22-45-9032
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Insertion Tool for 2.54mm (.100") Pitch KK® IDT Crimp Terminals

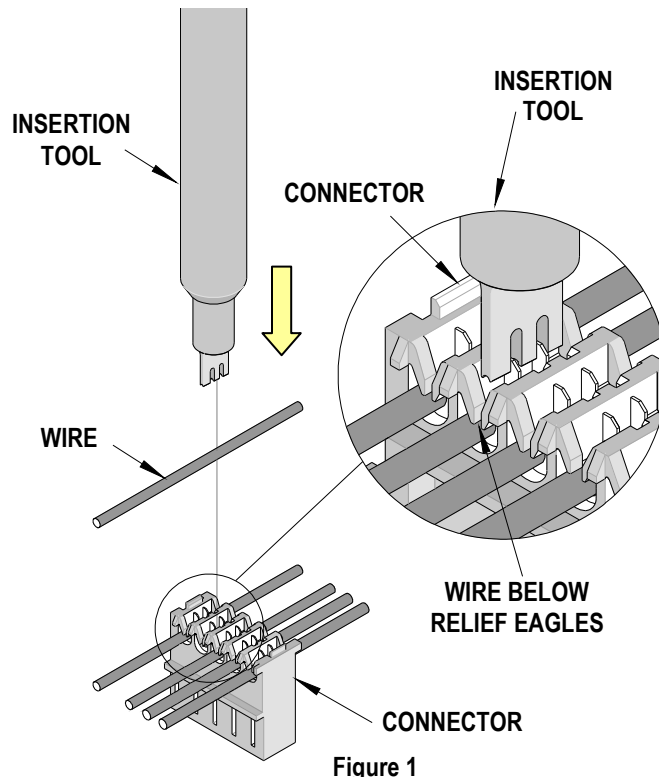
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	22-41-6106	22-41-6215	22-41-8034	22-41-8119	22-41-9032	22-41-9128	22-41-9225	22-53-2100
	22-41-6107	22-41-6216	22-41-8035	22-41-8123	22-41-9035	22-41-9132	22-41-9228	
	22-41-6115	22-41-6217	22-41-8039	22-41-8124	22-41-9038	22-41-9135	22-41-9232	
<b>Color Code No Color</b>								
<b>Connector Series No.</b>	<b>Connector Order No.</b>							
40555	22-41-6021	22-50-1176	22-41-6161	22-41-6231	22-41-8022	22-41-8061	22-41-8092	22-41-8132
	22-41-6031	22-50-1186	22-41-6171	22-41-6241	22-41-8031	22-41-8062	22-41-8101	22-41-8142
	22-41-6041	22-41-6111	22-41-6181	22-41-6251	22-41-8032	22-41-8071	22-41-8102	22-41-8152

Color Code No Color								
Connector Series No.	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.



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