Pad Cutters, Insertion Tools

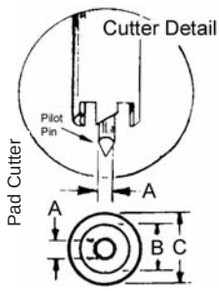
Pad Cutters



P138A
Wooden Handle type



Shank Only
P138C





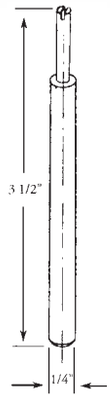
Shows pad removal
& pad cutter P116C

Vector Pad Cutters provide an effective method for creating isolated solder pads around holes in copper clad boards. Pilot pin enters hole and rotates, creating a clearance area around the solder pad. Available for boards with.062" or .042" diameter holes. Also available without handles for use with manual or power drills.

Part No.	Holder Type	A	B	C	Shank	Use with Vectorbord®
P116C	Handle/Shank	.055"	.188"	.250"	.250"	Pattern G, H .062" holes
P138A	Handle/Shank	.040"	.086"	.125"	.125"	Pattern P, .042: holes
P138C	Shank Only	.040"	.086"	.125"	.125"	Pattern P, .042: holes

Hand Insertion Tools for Push-In Terminals

Part No	Terminal P/N	Holder Type
A13	T44	Shank with removable rubber handle
A13-1	T68	Shank with removable rubber handle
P91A	T28	Wooden Handle
P156	T49	Wooden Handle
P133A	T46 series & K24 - K31	Shank with removable rubber handle
P134	K36	Wooden Handle
P149A	T42-1	Wooden Handle
P149	T42-1	Shank with removable rubber handle



Shank Type
(A13 type)

A13 Shank with removable rubber handle



P149 Shank with removable rubber handle

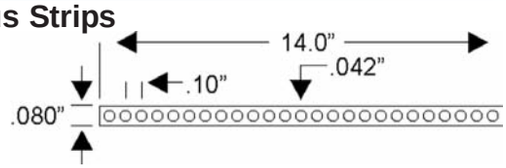


P149A - Wooden Handle Type



T107

Bus Strips



- Flat cold-drawn flat copper wire, 0.017" thick (+/-0.003")
- 0.080"W with 0.042" diameter holes on 0.100" centers
- Hot 100% Tin dipped, fully RoHS compliant
- Compatible with most Vectorbord® hole patterns



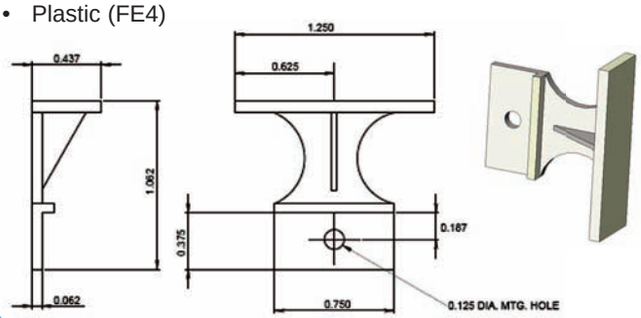
Part No.	Pkg Qty
T107/C	100
T107/10	10

HA14

Pull Type Ejector Handle

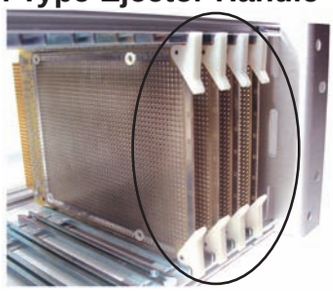
- Extraction/insertion handles
- Mounts on front edge of Plugbord™ with single screw or roll-pin
- Plastic (FE4)

Part No.	Package Quantity
HA14	4
HA14/C	100



HA9

Rotation Type Ejector Handle



Dimensional information for HA9 is on Page 44

- Card ejector, corner mounting
- Supports up to 40 lbs extraction force
- White nylon, (hardware included)

Part No.	Pkg Qty
HA9/4	4
HA9/C	100

Tefzel 28 AWG Wire Insulation Properties

Property	Test Method	Unit	Value
Thermal Properities			
Nominal Melting Point	ASTM D3159	^{o}C (^{o}F)	255-280 (491-536)
Flow Rate	ASTM D315	g/10 min	20
Upper Service Temperature	UL746	^{o}C	135
Mechanical Properities			
Tensile Strength, 23^{o}C (73^{o}F)	ASTM D3159	MPa, (psi)	40, (6,500)
Specific Gravity	ASTM D792	-	1.71
Ultimate Elongation, 23^{o}C (73^{o}F)	ASTM D3159	%	300
Flexural Modulus, 23^{o}C (73^{o}F)	ASTM D790	MPa (psi)	1,200 (170,000)
Impact Streength, 23^{o}C (73^{o}F)	ASTM D256	J/m (ft-lb/in.)	No Break
Hardness, Durometer	ASTM D2240	Shore D	63
Compressive Strength	ASTM D695	MPa, (psi)	38 (5,500)
Linear Coefficient of Expansion, 0-100^{o}C (32-212^{o}F)	ASTM E831	mm/mm/^{o}C in./in./^{o}F	12.6x 10^{-5} (7.0 x 10^{-5})
Electrical Properities			
Dielectric Strength, 0.25mm (0.010in.)	ASTM D149	kV/mm (V/0.001in.)	70 (1,800)
Dielectric Constant, 1MHz,23^{o}C (73^{o}F)	ASTM D1531	-	2.5-2.6
Dissipation Factor, 1MHz,23^{o}C (73^{o}F)	ASTM D1531	-	0.00540
Volume Resistivity	ASTM D257	ohm·cm	1 x 10^{3} (1 x 10^{17})
Arc Resistance	ASTM D49	seconds	122
General Properities			
Water Absorption, 24 h	ASTM D570	%	0.007
Weather and Chemical Resistance	-	-	Excellent
Limiting Oxygen Index	ASTM D2863	%	30-32

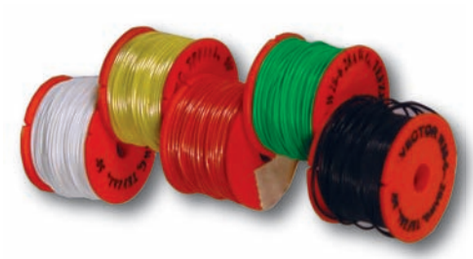
Vector 28AWG Tefzel wire is rated 300V at 150 degrees C

Slit-N-Wrap® Wire

Tefzel Insulated Silver Plated Wire for use with No. 02 Bit

Part No.	AWG	Color	Spool Dia.	Feet/Spool	Spools/Pkg
W28-6A	28	green	1”	50	2
W28-6B	28	red	1”	50	2
W28-6D	28	blue	1”	50	2
W28-6E	28	white	1”	50	2
W28-6F	28	yellow	1”	50	2
W28-6H	28	black	1”	50	2
W28-6AU	28	green	1.5”	150	1
W28-6BU	28	red	1.5”	150	1
W28-6DU	28	blue	1.5”	150	1
W28-6EU	28	white	1.5”	150	1
W28-6FU	28	yellow	1.5”	150	1
W28-6HU	28	black	1.5”	150	1

See specifications on Page 81



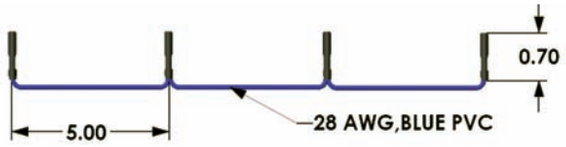
Accessories

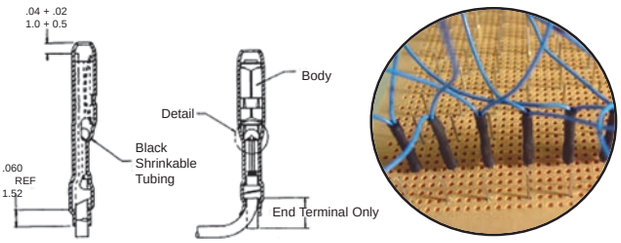
T120-1

Slip-On Contacts

- Reels of slip-on contacts. 5” apart
- Slips onto .025” square posts
- 28 gage PVC insulated blue wire
- Temperature Range: -310 to 221^{o}F (-190 to 105^{o}C)





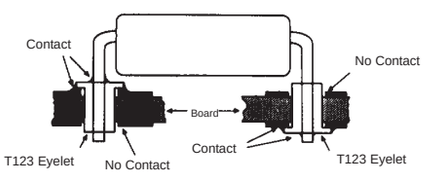


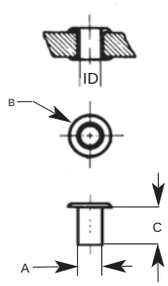
Part No.	Contact Description	Package Quantity.
T120-1/50	installed on wire	Reel of 50
T120-1/250	installed on wire	Reel of 250

EyeletsT15.23,T123

- 2 versions provide hole size reduction
  T123 - reduces .055” dia. holes to .042”
- T123 eyelets are copper with .0003” to .0005” thick tin plating
  T15.23 - reduces .062” dia. holes to .042”
- Simulates copper thru hole plating
- Used to commit power and ground planes







Part No.	Qty	A	B	C	ID
T15.23/M	1000	.062”	.105”	.093”	.042”
T123/500	500	.055”	.105”	.093”	.042”
T123/1000	1000	.055”	.105”	.093”	.042”