



500 SERIES
DIE & LOCATOR
CROSS REFERENCE CATALOG



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Direct all inquires to:

Pico Corporation

444 Constitution Ave.

Camarillo, California. 93012

PH (805) 388-5510 • FAX (805) 482-4038

www.picotools.com • sales@picotools.com



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500 SERIES

The most versatile crimping tool available today.







Dies are available that will handle pin and socket contacts as well as terminals, both insulated and non-insulated in sizes ranging from 8 to 250 MCM.

The Model 500 has the same safety cycling feature that is built into all of the Pico line of quality tools. It comes complete with a bench mount as standard equipment. Factory air pressure is sufficient for all sizes. With this addition to the Pico line, the coverage is extended from awg 26 to 250 MCM.



Human engineered to prevent accidents.

Patent Numbers 3,173,341, 3,201,969

APPLICATIONS		500	500-D	500-D-1
CONTACTS				
<i>PINS</i>		16 thru 4/0	16 thru 4/0	8 thru 4/0
<i>SOCKETS</i>				
SOLDERLESS TERMINALS				
<i>INSULATED</i>		16 thru 4/0	16 thru 250 MCM	16 thru 250 MCM
<i>UNINSULATED</i>				
COAXIAL APPLICATIONS		MAX. DIA.	MAX. DIA.	MAX. DIA.
<i>CONTACTS</i>		1.50	1.50	1.50
<i>CONNECTORS</i>		1.50	1.50	1.50

• Consult Factory on Specific Applications

STANDARD DIES - 500 Series		500	500-D	500-D-1
514DA-20N	Pins & Sockets	Yes	Yes	Yes
514DA-16N	Pins & Sockets	Yes	Yes	Yes
514DA-12N	Pins & Sockets	Yes	Yes	Yes
514DA-8N	Pins & Sockets	Yes	Yes	Yes
514DA-6N	Pins & Sockets	Yes	Yes	Yes
514DA-4N	Pins & Sockets	Yes	Yes	Yes
514DA-2N	Pins & Sockets	Yes	Yes	Yes
514DA-1/0N	Pins & Sockets	Yes	Yes	Yes
514DA-2/0N	Pins & Sockets	Yes	Yes	Yes
514DA-4/0N-1	Pins & Sockets	Yes	Yes	Yes
514DA-250 MCM	Pins & Sockets	No	Yes	Yes
514DA-16-14-IT	Insulated Terminals	Yes	Yes	Yes
514DA-12-10-IT	Insulated Terminals	Yes	Yes	Yes
514DA-8IT	Insulated Terminals	Yes	Yes	Yes
514DA-6IT	Insulated Terminals	Yes	Yes	Yes
514DA-4T	Insulated Terminals	Yes	Yes	Yes
514DA-2IT	Insulated Terminals	Yes	Yes	Yes
514DA-250 MCM IT	Insulated Terminals	No	Yes	Yes
514DA-1/0-IT	Insulated Terminals	Yes	Yes	Yes
514DA-2/0-IT	Insulated Terminals	Yes	Yes	Yes
514DA-3/0-IT	Insulated Terminals	Yes	Yes	Yes
514DA-4/0-IT	Insulated Terminals	Yes	Yes	Yes
514DA-16-14-NIT	Non-Insulated Terminals	Yes	Yes	Yes
514DA-12-10-NIT	Non-Insulated Terminals	Yes	Yes	Yes
514DA-8NIT	Non-Insulated Terminals	Yes	Yes	Yes
514DA-6NIT	Non-Insulated Terminals	Yes	Yes	Yes
514DA-4NIT	Non-Insulated Terminals	Yes	Yes	Yes
514DA-2NIT	Non-Insulated Terminals	Yes	Yes	Yes
514DA-1/0-NIT	Non-Insulated Terminals	Yes	Yes	Yes
514DA-2/0-NIT	Non-Insulated Terminals	Yes	Yes	Yes
514DA-3/0-NIT	Non-Insulated Terminals	Yes	Yes	Yes
514DA-4/0-NIT	Non-Insulated Terminals	Yes	Yes	Yes
514DA-250 MCM NIT	Non-Insulated Terminals	No	Yes	Yes

OPTIONAL ACCESSORIES

Foot Controls
GAGES
Fitted Storage Cases

NOTE:

1. This list includes but a small sample of the die applications available. Consult the factory for specific requirements
2. Consult locator catalog or factory for proper locators.
3. Tools are warranted for 90 days against defects in material or workmanship but should be returned to the factory every year for servicing.



**LOCATOR and DIE ASSEMBLY CATALOG
for use with**

PICO MODEL 500 SERIES POWER UNITS

**Order by Locator No. and /or Die assembly No.
Effective September 1st, 2011**

Version 1.1

NOTE: Contacts or terminals which may not be listed in the current catalog can usually be satisfactorily crimped with stock dies. We would be pleased to study your needs in this category, and advise you whether special dies would be required.

SOLDERLESS TERMINAL (LUGS) - CLOSED BARREL TYPES

"NIT" NON-INSULATED TERMINALS "IT" INSULATED TERMINALS

There are three basic methods used in the manufacture of closed barrel style solderless terminals, These variations affect the selection of proper die assemblies and locators.

1) Terminal made from **FLAT STOCK**:

Flat stock terminals have a greater wall thickness than tube stock, solid stock or cold headed. Forming of flat stock into a round crimp barrel results in a seam down the longitudinal axis of the barrel. This seam is usually brazed. The die sets used with terminals, which have a seam, have a concave profile on the indenter that is aligned with the seam. The purpose of this concave profile is to capture the seam and prevent separation during the crimp process. There are several manufacturers of flat stock terminals. Among them are Amp, ETC, 3M, Ideal and Wearn's Hollingsworth Corp.

2) Terminals made from **TUBE STOCK**:

Burndy and Thomas and Betts manufacture terminals in smaller sizes using both flat and tube stock (22-18 thru 12-10), Larger sizes are made from tube stock (8 thru 2/0). All four indentors in the die sets used with tube stock terminals are the same and produce four symmetrical indentations. These die sets are identified with a "-B" suffix.

3) Terminals made from **SOLID STOCK AND COLD HEADED**:

Contact Pico Corporation for proper die assemblies and locators for these terminal styles..

In most cases the same locator will perform satisfactorily for **"IT" INSULATED** and **"NIT" NON-INSULATED TERMINALS**, but a locator for a tube stock terminal will not work with a flat stock terminal.

Special dies and locators are available for flag and right angle terminals. If you are in doubt, please contact Pico Corporation.

INSULATED TERMINALS - MS25036

MS25036	SIZE	GROUP 1		BURNDY		T&B	
		514DA-	LOC	514DA-	LOC	514DA-	LOC
Dash							
No.							
-115	8	8IT	5502	8IT-B	5502-1	8IT-B	5502-3
-116	8	8IT	5502	8IT-B	5502-1	8IT-B	5502-3
-117	8	8IT	5502	8IT-B	5502-1	8IT-B	5502-3
-118	8	8IT	5502	8IT-B	5502-1	8IT-B	5502-3
-119	6	6IT	5503	6IT-B	5503-1	6IT-B	5503-3
-120	6	6IT	5503	6IT-B	5503-1	6IT-B	5503-3
-121	6	6IT	5503	6IT-B	5503-1	6IT-B	5503-3
-122	6	6IT	5503	6IT-B	5503-1	6IT-B	5503-3
-123	4	4IT	5504	4IT-B	5504-1	4IT-B	5504-3
-124	4	4IT	5504	4IT-B	5504-1	4IT-B	5504-3
-125	4	4IT	5504	4IT-B	5504-1	4IT-B	5504-3
-126	2	2IT	5505	2IT-B	5505-1	2IT-B	5505-3
-127	2	2IT	5505	2IT-B	5505-1	2IT-B	5505-3
-128	2	2IT	5505	2IT-B	5505-1	2IT-B	5505-3
-132	0	0IT	5510-2	0IT-B	5510-1	0IT-B	5510-3
-133	0	0IT	5510-2	0IT-B	5510-1	0IT-B	5510-3
-134	0	0IT	5510-2	0IT-B	5510-1	0IT-B	5510-3
-135	0	2/0IT	5520-2	2/0IT-B	5520-1	2/0IT-B	5520-3
-136	0	2/0IT	5520-2	2/0IT-B	5520-1	2/0IT-B	5520-3
-137	0	2/0IT	5520-2	2/0IT-B	5520-1	2/0IT-B	5520-3
-138	0	3/0IT	5530-2	3/0IT-B	5530-1	3/0IT-B	5530-3
-139	0	3/0IT	5530-2	3/0IT-B	5530-1	3/0IT-B	5530-3
-140	0	4/0IT	5540-2	4/0IT-B	5540-1	4/0IT-B	5540-3
-141	0	4/0IT	5540-2	4/0IT-B	5540-1	4/0IT-B	5540-3

NON-INSULATED TERMINALS - MS20659

MS20659	SIZE	GROUP 1		BURNDY		T&B	
		514DA-	LOC	514DA-	LOC	514DA-	LOC
Dash							
No.							
-140	8	8NIT	5502	8NIT-B	5502-1	8NIT-B	5502-3
-107	8	8NIT	5502	8NIT-B	5502-1	8NIT-B	5502-3
-141	8	8NIT	5502	8NIT-B	5502-1	8NIT-B	5502-3
-108	8	8NIT	5502	8NIT-B	5502-1	8NIT-B	5502-3
-129	8	8NIT	5502	8NIT-B	5502-1	8NIT-B	5502-3
-142	8	8NIT	5502	8NIT-B	5502-1	8NIT-B	5502-3
-130	6	6NIT	5503	6NIT-B	5503-1	6NIT-B	5503-3
-109	6	6NIT	5503	6NIT-B	5503-1	6NIT-B	5503-3
-131	6	6NIT	5503	6NIT-B	5503-1	6NIT-B	5503-3
-110	6	6NIT	5503	6NIT-B	5503-1	6NIT-B	5503-3
-143	6	6NIT	5503	6NIT-B	5503-1	6NIT-B	5503-3
-144	4	4NIT	5504	4NIT-B	5504-1	4NIT-B	5504-3
-111	4	4NIT	5504	4NIT-B	5504-1	4NIT-B	5504-3
-132	4	4NIT	5504	4NIT-B	5504-1	4NIT-B	5504-3
-112	4	4NIT	5504	4NIT-B	5504-1	4NIT-B	5504-3
-145	4	4NIT	5504	4NIT-B	5504-1	4NIT-B	5504-3
-146	2	2NIT	5505	2NIT-B	5505-1	2NIT-B	5505-3
-113	2	2NIT	5505	2NIT-B	5505-1	2NIT-B	5505-3
-147	2	2NIT	5505	2NIT-B	5505-1	2NIT-B	5505-3
-114	2	2NIT	5505	2NIT-B	5505-1	2NIT-B	5505-3
-148	2	2NIT	5505	2NIT-B	5505-1	2NIT-B	5505-3
-133	2	2NIT	5505	2NIT-B	5505-1	2NIT-B	5505-3
-117	0	0NIT	5510-2	0NIT-B	5510-1	0NIT-B	5510-3
-118	0	0NIT	5510-2	0NIT-B	5510-1	0NIT-B	5510-3
-135	0	0NIT	5510-2	0NIT-B	5510-1	0NIT-B	5510-3
-151	0	0NIT	5510-2	0NIT-B	5510-1	0NIT-B	5510-3
-152	0	0NIT	5510-2	0NIT-B	5510-1	0NIT-B	5510-3
-153	0	2/0NIT	5520-2	2/0NIT-B	5520-1	2/0NIT-B	5520-3

NON-INSULATED TERMINALS - MS20659

MS20659		GROUP 1		BURNDY		T&B	
Dash	SIZE	514DA-	LOC	514DA-	LOC	514DA-	LOC
No.							
-119	0	2/ONIT	5520-2	2/ONIT-B	5520-1	2/ONIT-B	5520-3
-120	0	2/ONIT	5520-2	2/ONIT-B	5520-1	2/ONIT-B	5520-3
-154	0	2/ONIT	5520-2	2/ONIT-B	5520-1	2/ONIT-B	5520-3
-136	0	2/ONIT	5520-2	2/ONIT-B	5520-1	2/ONIT-B	5520-3
-155	0	3/ONIT	5530-2	3/ONIT-B	5530-1	3/ONIT-B	5530-3
-121	0	3/ONIT	5530-2	3/ONIT-B	5530-1	3/ONIT-B	5530-3
-156	0	3/ONIT	5530-2	3/ONIT-B	5530-1	3/ONIT-B	5530-3
-122	0	3/ONIT	5530-2	3/ONIT-B	5530-1	3/ONIT-B	5530-3
-157	0	4/ONIT	5540-2	4/ONIT-B	5540-1	4/ONIT-B	5540-3
-123	0	4/ONIT	5540-2	4/ONIT-B	5540-1	4/ONIT-B	5540-3
-158	0	4/ONIT	5540-2	4/ONIT-B	5540-1	4/ONIT-B	5540-3
-124	0	4/ONIT	5540-2	4/ONIT-B	5540-1	4/ONIT-B	5540-3
-159	0	4/ONIT	5540-2	4/ONIT-B	5540-1	4/ONIT-B	5540-3
-160	0	4/ONIT	5540-2	4/ONIT-B	5540-1	4/ONIT-B	5540-3
-137	0	4/ONIT	5540-2	4/ONIT-B	5540-1	4/ONIT-B	5540-3
-155	000	3/ONIT	5530-2	3/ONIT-B	5530-1	3/ONIT	5530-3
-121	000	3/ONIT	5530-2	3/ONIT-B	5530-1	3/ONIT-B	5530-3
-156	000	3/ONIT	5530-2	3/ONIT-B	5530-1	3/ONIT-B	5530-3
-122	000	3/ONIT	5530-2	3/ONIT-B	5530-1	3/ONIT-B	5530-3
-157	000	3/ONIT	5530-2	3/ONIT-B	5530-1	3/ONIT-B	5530-3
-123	000	3/ONIT	5530-2	3/ONIT-B	5530-1	3/ONIT-B	5530-3
-158	000	3/ONIT	5530-2	3/ONIT-B	5530-1	3/ONIT-B	5530-3
-124	0000	4/ONIT	5540-2	4/ONIT	5540-1	4/ONIT	5540-3
-159	0000	4/ONIT	5540-2	4/ONIT	5540-1	4/ONIT	5540-3
-160	0000	4/ONIT	5540-2	4/ONIT	5540-1	4/ONIT	5540-3
-137	0000	4/ONIT	5540-2	4/ONIT	5540-1	4/ONIT	5540-3

PIN & SOCKET CONTACTS

CONTACT	SIZE	MANUFACTURE	DIE ASSY	LOCATOR
030-1213-000	#4	ITT Cannon	514DA-4N	5420-3
031-0501-000	#4	ITT Cannon	514DA-4N	5475
031-1005-000	0	ITT Cannon	514DA-2N	5430-2
1011X-124-011 P	#2	G & H Technology	514DA-2 HEX	5430-5
1011X-125-001 P	#4	G & H Technology	514DA-4N	5420-5
1011X-125-013 P	0	G & H Technology	514DA-0N	5440-5
1011X-125-013 P	0	G & H Technology	514DA-0 HEX	5440-4 or 5475
1011X-910-001 S	0	G & H Technology	514DA-0N	5440-5
1011X-910-001 S	0	G & H Technology	514DA-0 HEX	5440-4 or 5475
1011X-P-902-001 S	#2	G & H Technology	514DA-2N	54304
1011X-P-902-001 S	#2	G & H Technology	514DA-2-HEX	5430-5
131-0502-000	"0"	ITT Cannon	514DA-0N	5443
27915 P	#8	VEAM	514DA-8N	5404
27916 P	#4	VEAM	514DA-4N	5421
27917 P	0	VEAM	514DA-0N	5442
27935 S	#8	VEAM	514DA-8N	5404
27936 S	#4	VEAM	514DA-4N	5421
27937 S	0	VEAM	514DA-0N	5441
330-0190-000	#4	ITT Cannon	514DA-4N	5420-4
330-0191-000	"0"	ITT Cannon	514DA-0N	5443
330-0197-000	"0"	ITT Cannon	514DA-0N	5443
BAN 7027-1 S	2/0	Flight Connector	514DA-2/0-D	5401
BAN 7027-1 S	2/0	Tri-Star	514DA 2/0D	5401
BAN 7027-501 P	2/0	Flight Connector	514DA-2/0-D	5402
BAN 7027-501 P	2/0	Tri-Star	514DA-2/-D	5402
MS90453-0-0	1/0	Mil. Std	514DA-1/0N	5440
MS90453-4-4	4	Mil. Std	514DA-4N	5420
MS90453-8-8	8	Mil. Std	514DA-8N	5400

PIN & SOCKET CONTACTS

CONTACT	SIZE	MANUFACTURE	DIE ASSY	LOCATOR
MS90454-0-0	1/0	Mil. Std	514DA-1/0N	5440
MS90454-4-4	4	Mil. Std	514DA-4N	5420
MS90454-8-8	8	Mil. Std	514DA-8N	5400
MS90559-1	4/0	Mil. Std	514DA-4/0N	5470
MS90559-10	4N	Mil. Std	514DA-4N	5420-1
MS90559-11	6	Mil. Std	514DA-6N	5410
MS90559-12	6N	Mil. Std	514DA-6N	5410
MS90559-13	4G	Mil. Std	514DA-4N	5420-1
MS90559-14	6G	Mil. Std	514DA-6N	5410
MS90559-2	4/0N	Mil. Std	514DA-4/0N	5470
MS90559-3	2/0	Mil. Std	514DA-2/0N	5450
MS90559-4	2/0N	Mil. Std	514DA-2/0N	5450
MS90559-6	1/0N	Mil. Std	514DA-1/0N	5440-1
MS90559-6	1/0	Mil. Std	514DA-1/0N	5440-1
MS90559-7	2N	Mil. Std	514DA-2N	5430
MS90559-8	4	Mil. Std	514DA-4N	5420-1
MS90559-9	4N	Mil. Std	514DA-4N	5420-1
MS90560-1	4/0	Mil. Std	514DA-4/0N	5470
MS90560-2	2/0	Mil. Std	514DA-2/0N	5450
MS90560-3	1/0	Mil. Std	514DA-1/0N	5440-1
MS90560-4	2	Mil. Std	514DA-2N	5430
MS90560-5	4	Mil. Std	514DA-4N	5420-1
MS90560-6	4	Mil. Std	514DA-4N	5420-1
MS90560-7	6	Mil. Std	514DA-6N	5410
MS90560-8	6G	Mil. Std	514DA-6N	5410
MS90560-9	4G	Mil. Std	514DA-4N	5420-1