

# Installing and Removal Tools



DMC is dedicated to serving the connector tooling needs of the electronics industry. We, therefore, top off our product package with a wide variety of installing and removal tools.

Although we supply both plastic and metal tools, we recommend the use of the metal tools because of their durability.

When used properly they are more cost effective in that they withstand thousands of contact insertion and removal cycles. The trend to all metal tools is being actively encouraged by most departments of the government.

DMC installing and removal tools are of proven high quality and reliability. In addition to the tools listed in the reference table, we have many more for other connector applications. Consult factory for details.

Illustrated on page 73 are typical rear and front release retention methods found in today's connectors.

## M81969/# REFERENCE CHART

MIL-I-81969/#	SUPERCEDED MILITARY #	MIL-I-81969/#	SUPERCEDED MILITARY #	MIL-I-81969/#	SUPERCEDED MILITARY #
1-01	MS3156-22	11-01	M28731/22-01	19-09	MS24256R12
1-02	MS3156-20	13-01	M28731/21-01	19-10	MS24256RH20
	M24308/18-2	14-01	MS27534-22D	19-11	MS24256RH16
1-03	MS3156-16	14-02	MS27534-20	20-01	MS17806
	M24308/18-3		MS3447-20	27-01	MS90562-1
1-04	M24308/18-1		M83723/31-20	27-02	MS90562-2
2-01	MS3323-22	14-03	MS27534-16	27-03	MS90562-3
2-02	MS3323-20		MS3447-16	27-04	MS90562-4
2-03	MS3323-16		M83723/31-16	27-05	MS90562-5
2-04	MS3323-12	14-04	MS27534-12	27-06	MS90562-6
3-01	MS3344-23		MS3447-12	28-01	MS3178-001
3-02	MS3344-20		M83723/31-12	28-02	MS3178-002
3-03	MS3344-16	15-01	MS3483-1	29-01	MS3165-16
3-04	MS3344-12	15-02	MS3483-2	29-02	MS3165-8
3-05	MS3342-23	15-03	MS3483-3		M83723/32-08
3-06	MS3342-20	16-01	MS3160-20	29-03	MS3165-4
3-07	MS3342-16	16-02	MS3160-16		M83723/32-04
3-08	MS3342-12	16-03	MS3160-12	29-04	MS3165-0
4-01	M55301/106-01	16-04	MS3160-22		M83723/32-00
5-01	M55302/105-01	17-01	MS90455-16	30-01	MS3159-22
6-01	M21097/18-01	17-02	MS90455-12	30-02	MS3159-20
7-01	M21097/12-01	17-03	MS24256A20	30-03	MS3159-16
8-01	M55302/79-01	17-04	MS24256A16	30-04	MS3159-12
	MS27495A22M	17-05	MS24256A12	30-05	MS3448-001A
8-02	M55302/79-02	17-06	MS90455-8	30-06	MS3448-001B
	MS27495R22M	17-07	MS90455-4	30-07	MS3448-001C
8-03	MS27495A22	17-08	MS90455-0	31-01	MS18137-20-1
8-04	MS27495R22	18-01	MS17805	31-02	MS18137-20-2
8-05	MS27495A20	19-01	MS90456-16	31-03	MS18137-20-3
8-06	MS27495R20	19-02	MS90456-12	31-04	MS18137-20-4
8-07	MS27495A16	19-03	MS90456-8	31-05	MS14035-02
8-08	MS27495R16	19-04	MS90456-4	31-06	MS14035-01
8-09	MS27495A12	19-05	MS90456-0	31-07	MS14035-03
8-10	MS27495R12	19-06	MS24256R20	31-08	MS14036-01
9-01	M55302/18-01	19-07	MS24256R20	31-09	MS14036-02
10-01	M55302/86-01	19-08	MS24256R16	31-10	MS14036-03



# MIL-I-81969 Tool Part Number Guide

## ABBREVIATIONS

I – Installation Tool  
 R – Removal Tool  
 I/R – Installation and Removal Tool  
 N/A – Not Available

R – Rear Release  
 F – Front Release  
 R/F – Rear and Front Release

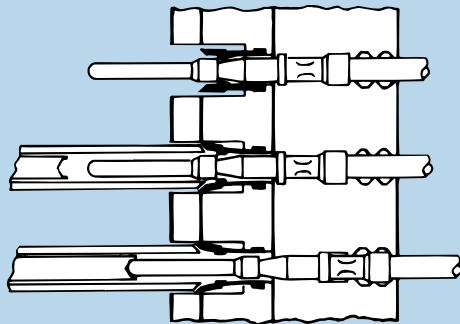
MILITARY P/N	DMC P/N	INSTALLATION OR REMOVAL	SIZE	COLOR CODE
M81969/1-01	M81969/1-01	I/R	22	GRN/WHT
M81969/1-02	M81969/1-02	I/R	20	RED/WHT
M81969/1-03	M81969/1-03	I/R	16	BLU/WHT
M81969/1-04	M81969/1-04	I/R	12	GRN/WHT
M81969/2-01	DAK126-23A	I	22	YEL
M81969/2-02	DAK126-20A	I	20	RED
M81969/2-03	DAK126-16A	I	16	BLU
M81969/2-04	DAK126-12A	I	12	YEL
M81969/3-01	DRK129-23A	R	23	YEL
M81969/3-02	DRK129-20A	R	20	RED
M81969/3-03	DRK129-16A	R	16	BLU
M81969/3-04	DRK129-12A	R	12	YEL
M81969/3-05	DRK125-23A	R	23	YEL/BLK
M81969/3-06	DRK125-20A	R	20	RED/BLK
M81969/3-07	DRK125-16A	R	16	BLU/BLK
M81969/3-08	DRK125-12A	R	12	YEL/BLK
M81969/4-01	WRAP POST			
M81969/4-02	WRAP POST			
M81969/5-01	WRAP POST			
M81969/7-01	DAK52	I	N/A	CLEAR
M81969/8-01	DAK95-22B	R	22D	GRN
M81969/8-02	DRK95-22B	R	22M	GRN/WHT
M81969/8-03	DAK95-22B	I	22	BRN
M81969/8-04	DRK95-22B	R	22	BRN/WHT
M81969/8-05	DAK95-20B	I	20	RED
M81969/8-06	DRK95-20B	R	20	RED/WHT
M81969/8-07	DAK95-16B	I	16	BLU
M81969/8-08	DRK95-16B	R	16	BLU/WHT
M81969/8-09	DAK95-12B	I	12	YEL
M81969/8-10	DRK95-12B	R	12	YEL/WHT
M81969/8-205B	DAK83-20B	I	20	RED/BLK
M81969/8-206B	DRK83-20B	R	20	RED/WHT/BLK
M81969/8-207	DAK83-16B	I	16	BLU/BLK
M81969/8-208	DRK83-16B	R	16	BLU/WHT/BLK
M81969/8-209	DAK83-12B	I	12	YEL/BLK
M81969/8-210	DRK83-12B	R	12	YEL/WHT/BLK
M81969/12-01	DRK248A	I/R	N/A	STRAIGHT

MILITARY P/N	DMC P/N	INSTALLATION OR REMOVAL	SIZE	COLOR CODE
M81969/12-02	DRK246A	I/R	N/A	ANGLED
M81969/14-01	M81969/14-01	I/R	22D	GRN/WHT
M81969/14-02	M81969/14-02	I/R	20	RED/WHT
M81969/14-03	M81969/14-03	I/R	16	BLU/WHT
M81969/14-04	M81969/14-04	I/R	12	YEL/WHT
M81969/14-05	M81969/14-05	I/R	10	GRA/WHT
M81969/14-10	M81969/14-10	I/R	20	RED/ORA
M81969/14-11	M81969/14-11	I/R	20	RED/WHT
M81969/15-01	DRK250-8	R	8	NONE
M81969/15-02	DRK250-4	R	4	NONE
M81969/15-03	DRK250-0	R	1/0	NONE
M81969/16-01	81515-20	I/R	20	RED/WHT
M81969/16-02	81515-16	I/R	16	BLU/WHT
M81969/16-03	81515-12	I/R	12	YEL/WHT
M81969/16-04	81515-23	I/R	23	GRN/WHT
M81969/17-01	DAK55-16A	I	16	BLU
M81969/17-02	DAK55-12A	I	12	YEL
M81969/17-03	DAK20B	I	20	RED
M81969/17-04	DAK16B	I	16	BLU
M81969/17-05	DAK12B	I	12	YEL
M81969/17-06	DAK55-8B	I	8	RED
M81969/17-07	DAK55-4B	I	4	BLU
M81969/17-08	DAK55-0B	I	0	YEL
M81969/17-09	DAK83S-20	I	20	RED
M81969/18-01	DAK123A	I	16/20	GRN
M81969/18-02	DAK123-22A	I	22	GOLD
M81969/19-01	DRK16B	R	16	BLU
M81969/19-02	DRK12B	R	12	YEL
M81969/19-03	DRK56-8B	R	8	RED
M81969/19-04	DRK56-4B	R	4	BLU
M81969/19-05	DRK56-0B	R	0	YEL
M81969/19-06	DRK20B	R	20	RED
M81969/19-07	DRK20A	R	20	RED
M81969/19-08	DRK16A	R	16	BLU
M81969/19-09	DRK12A	R	12	YEL
M81969/19-10	DHK20A	R	20	RED
M81969/19-11	DHK16A	R	16	BLU

MILITARY P/N	DMC P/N	INSTALLATION OR REMOVAL	SIZE	COLOR CODE
M81969/20-01	DRK124A	R	16	GRN
M81969/20-02	DRK124-22A	R	22	N/A
M81969/21-01	DHK368	I/R	16	N/A
M81969/22-01	DRK222	R	16	N/A
M81969/23-01	DAK1-16P-S	I	16	N/A
M81969/23-02	DAK1-16S-S	I	16	N/A
M81969/27-01	DRK178-1A	R	4/0	N/A
M81969/27-02	DRK178-2A	R	2/0	N/A
M81969/27-03	DRK178-3A	R	1/0	N/A
M81969/27-04	DRK178-4A	R	2	N/A
M81969/27-05	DRK178-5A	R	4	N/A
M81969/27-06	DRK178-6A	R	6	N/A
M81969/28-01	DRK310	R	COAX	N/A
M81969/28-02	DRK337	R	COAX	N/A
M81969/29-01	CIET16-9	R	16	BLU
M81969/29-02	M81969/14-06	R	8	RED
M81969/29-03	M81969/14-07	R	4	BLU
M81969/29-04	M81969/14-08	R	0	YEL
M81969/30A-01	DRK130-22A	R	22	YEL
M81969/30A-02	DRK130-20A	R	20	RED
M81969/30A-03	DRK130-16A	R	16	BLU
M81969/30A-04	DRK130-12A	R	12	YEL
M81969/30A-05	DRK110-20-2	R	20	RED
M81969/30A-06	DRK110-16-2	R	16	BLU
M81969/30A-07	DRK110-12-2	R	12	YEL
M81969/30B-01	DRK501B	R	22	BLK/YEL
M81969/30B-02	DRK502B	R	20	BLK/RED
M81969/30B-03	DRK503B	R	16	BLK/BLU
M81969/30B-04	DRK504B	R	12	BLK/YEL
M81969/30B-05	DRK505B	R	20	SIL/RED

MILITARY P/N	DMC P/N	INSTALLATION OR REMOVAL	SIZE	COLOR CODE
M81969/30B-06	DRK506B	R	16	SIL/BLU
M81969/30B-07	DRK507B	R	12	SIL/YEL
M81969/30B-08	DRK508B	R	22D	BRN/BRN
M81969/30B-09	DRK509B	R	22M	BRN/YEL
M81969/30B-10	DRK510B	R	22	BRN/GRN
M81969/30B-11	DRK511B	R	20	BRN/RED
M81969/30B-12	DRK512B	R	16	BRN/BLU
M81969/30B-13	DRK513B	R	12	BRN/YEL
M81969/30B-19	DRK519B	R	TOOL SET	
M81969/30B-20	DRK520B	R	HANDLE	
M81969/30B-21	DRK521B	R	22	YEL
M81969/30B-22	DRK522B	R	20	RED
M81969/30B-23	DRK523B	R	16	BLU
M81969/30B-24	DRK524B	R	12	YEL
M81969/30B-25	DRK525B	R	20	RED
M81969/30B-26	DRK526B	R	16	BLU
M81969/30B-27	DRK527B	R	12	YEL
M81969/30B-28	DRK528B	R	22D	BRN
M81969/30B-29	DRK529B	R	22M	YEL
M81969/30B-30	DRK530B	R	22	GRN
M81969/30B-31	DRK531B	R	20	RED
M81969/30B-32	DRK532B	R	16	BLU
M81969/30B-33	DRK533B	R	12	YEL
M81969/30B-34	DRK534B	REMOVAL TOOL SET		
M81969/30B-35	DRK535B	REMOVAL TOOL SET		
M81969/30B-36	DRK536B	REMOVAL TOOL SET		
M81969/33-01	DAK55-225A	I/R	22	RED
M81969/33-02	DAK55-22JA	I/R	22	RED
M81969/34-01	DRK56-22A	R	22	RED
M81969/39-01	M81969/39-01	I/R	20	GRN/WHT

### TYPICAL FRONT RELEASE CONTACT



### TYPICAL REAR RELEASE CONTACT

