DANIELS MANUFACTURING CORPORATION®

WORLD LEADER IN TOOLS FOR HIGH-RELIABILITY ELECTRICAL SYSTEMS

AS7928 TERMINALS 26 TO 10 AWG (CLASS 1) TOOLING GUIDE

M7928/1
(1-69)
Sizes 26 to 10 AWG

Type: Class 1 Insulated Terminals, Insulation Restricting
Insulation: Nylon, UL 94V -2
Terminal Body & Sleeve: Copper, ASTM B-152
Plating: Nickel, QQ-N-290 or Tin, ASTM B-545
Max Temp Rating: 105˚C

Terminal Specs							DMC MIL Qualified Tool/Die Options		
Terminal Part Number		AWG	Wire Size mm	Stud Size	Insulation Diameter in. (mm)	Sleeve Color	HX4 (/5)	HX3 (/10)	AMT4001 (/40-01)
M7928/1-	1	26	0.15	2	.026 - .055 (0.66 - 1.40)	Yellow w/ Black Stripe	Y501	X511	--
	2			4					
	3			6					
	4			8					
	5			10					
M7928/1-	6	24	0.24	2	.031 - .055 (0.79 - 1.40)	Yellow w/ Blue Stripe	Y501	X511	--
	7			4					
	8			6					
	9			8					
	10			10					
M7928/1-	11	22	0.38	4	.038 - .110 (0.97 - 2.79)	Red w/ Green Stripe	Y501/ Y1115	X511	AMT4001
	12			6					
	13			6					
	14			8					
	15			10					
	16			1/4					
	17			5/16					
	18			3/8					
	19			1/2					
M7928/1-	20	20	0.60	6	.046 - .110 (1.17 - 2.79)	Red w/ Red Stripe	Y501/ Y1115	X511	AMT4001
	21			6					
	22			6					
	23			8					
	24			10					
	25			1/4					
	26			5/16					
	27			3/8					
	28			1/2					
M7928/1-	29	18	0.96	6	.056 - .110 (1.42 - 2.79)	Red w/ White Stripe	Y501/ Y1115	X511	AMT4001
	30			6					
	31			6					
	32			8					
	33			10					
	34			1/4					
	35			5/16					
	36			3/8					
	37			1/2					
M7928/1-	38	16	1.42	6	.063 - .130 (1.60 - 3.30)	Blue w/ Blue Stripe	Y501/ Y1116	X511	AMT4001
	39			6					
	40			6					
	41			8					
	42			10					
	43			1/4					
	44			5/16					
	45			3/8					
	46			1/2					
M7928/1-	47	14	2.15	6	.078 - .130 (1.98 - 3.30)	Blue w/ Green Stripe	Y501/ Y1116	X511	AMT4001
	48			6					
	49			6					
	50			8					
	51			10					
	52			1/4					
	53			5/16					
	54			3/8					
	55			1/2					
M7928/1-	56	12	3.37	6	.095 - .200 (2.41 - 5.08)	Yellow w/ Yellow Stripe	Y501/ Y1117	X515	--
	57			8					
	58			10					
	59			1/4					
	60			5/16					
	61			3/8					
	62			1/2					
M7928/1-	63	10	6.11	6	.119 - 200 (3.02 - 5.08)	Yellow w/ Brown Stripe	Y501/ Y1117	X515	--
	64			8					
	65			10					
	66			1/4					
	67			5/16					
	68			3/8					
	69			1/2					

Dies are available for M7928/2, consult DMC.

M7928/4
(101-159)
Sizes 26 to 10 AWG

Type: Class 1 Insulated Terminals, Radiation Resistant
Insulation: Polyvinylidene flouride (PVF2)
Terminal Body & Sleeve: Copper, ASTM B-152
Plating: Tin, ASTM B-545
Max Temp Rating: 150˚C

Terminal Specs							DMC MIL Qualified Tool/Die Options		
Terminal Part Number		AWG	Wire Size mm	Stud Size	Insulation Diameter in. (mm)	Sleeve Color	HX4 (/5)	HX3 (/10)	AMT4001 (/40-01)
M7928/4-	101	22-18	0.26 - 0.96	6	.140 (3.56)	Clear w/ Red Ring	Y501/ Y1115	X511	AMT4001
	102			6					
	103			10					
	104			5/16					
	105			3/8					
M7928/4-	106	16-14	1.04 - 2.62	6	.170 (4.32)	Clear w/Blue Ring	Y501/ Y1116	X511	AMT4001
	107			6					
	108			10					
	109			5/16					
	110			3/8					
M7928/4-	111	12-10	2.62 - 6.64	6	.230 (5.84)	Clear w/ Yellow Ring	Y501/ Y1117	X515	--
	112			10					
	113			5/16					
	114			3/8					
M7928/4-	143	26-24	0.10 - 0.26	2	.082 (2.09)	Clear w/ Yellow Ring	Y501	X511	--
	144			4					
	145			6					
	146			8					
	147			10					
M7928/4-	148	22-18	0.26 - 0.96	4	.125 (3.18)	Clear w/Red Ring	Y501/ Y1115	X511	AMT4001
	149			8					
	150			1/4					
	151			1/2					
M7928/4-	152	16-14	1.04 - 2.62	4	.150 (3.81)	Clear w/Blue Ring	Y501/ Y1116	X511	AMT4001
	153			8					
	154			1/4					
	155			1/2					
M7928/4-	156	12-10	2.62 - 6.64	8	.230 (5.84)	Clear w/ Yellow Ring	Y501/ Y1117	X515	--
	157			1/4					
	158			1/2					
M7928/4-	159	22-18	0.26 - 0.96	2	.230 (5.84)	Red Ring	Y501/ Y1115	X515	AMT4001

M7928/7
(1-11)
Sizes 22 to 14 AWG

Type: Class 1 Uninsulated Terminals, Ring Tongue
Insulation: None
Terminal Body & Sleeve: Copper, ASTM B-152
Plating: Tin, ASTM B-545
Max Temp Rating: 175˚C

Terminal Specs						DMC MIL Qualified Tool/Die Options
Terminal Part Number		AWG	Wire Size mm	Stud Size	Insulation Diameter in. (mm)	GMT Series
M7928/7-	1	22-18	0.26 - 0.96	2	Uninsulated	GMT333 and GMT337 Tool Set
	2			4		
	3			6		
	4			10		
	5			5/16		
	6			3/8		
M7928/7-	7	16-14	1.04 - 2.62	6	Uninsulated	GMT333 and GMT337 Tool Set
	8			10		
	9			5/16		
	10			3/8		
	11			4		

MS17143
(1-25)
Sizes 22 to 10 AWG

Type: Class 1 Insulated Terminals, Rectangular Tongue
Insulation: Nylon, UL 94V-2
Terminal Body & Sleeve: Copper, ASTM B-152
Plating: Tin, ASTM B-545
Max Temp Rating: 105˚C

Terminal Specs							DMC MIL Qualified Tool/Die Options		
Terminal Part Number		AWG	Wire Size mm	Stud Size	Insulation Diameter in. (mm)	Sleeve Color	HX4 (/5)	HX3 (/10)	AMT4001 (/40-01)
MS17143-	1	22-18	0.26 - 0.96	8	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-	2	16-14	1.04 - 2.62	8	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-	3	12-10	2.62 - 6.64	8	.230 (5.84)	Yellow	Y501	X515	--
MS17143-	4	22-18	0.26 - 0.96	6	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-	5	16-14	1.04 - 2.62	6	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-	6	12-10	2.62 - 6.64	6	.230 (5.84)	Yellow	Y501	X515	--
MS17143-	7	22-18	0.26 - 0.96	8	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-	8	16-14	1.04 - 2.62	8	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-	9	12-10	2.62 - 6.64	8	.230 (5.84)	Yellow	Y501	X515	--
MS17143-	10	22-18	0.26 - 0.96	5	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-	11	16-14	1.04 - 2.62	5	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-	12	12-10	2.62 - 6.64	5	.230 (5.84)	Yellow	Y501	X515	--
MS17143-	13	22-18	0.26 - 0.96	6	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-	14	16-14	1.04 - 2.62	6	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-	15	12-10	2.62 - 6.64	6	.230 (5.84)	Yellow	Y501	X515	--
MS17143-	16	22-18	0.26 - 0.96	4	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-	17	16-14	1.04 - 2.62	4	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-	18	12-10	2.62 - 6.64	4	.230 (5.84)	Yellow	Y501	X515	--
MS17143-	19	22-18	0.26 - 0.96	4	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-	20	16-14	1.04 - 2.62	4	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-	21	12-10	2.62 - 6.64	4	.230 (5.84)	Yellow	Y501	X515	--
MS17143-	22	22-18	0.26 - 0.96	6	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-	23	22-18	0.26 - 0.96	6	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-	24	22-18	0.26 - 0.96	8	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-	25	22-18	0.26 - 0.96	10	.140 (3.56)	Red	Y501	X511	AMT4001

MS20659
(101-106, 125-128, 161-166)
Sizes 22 to 10 AWG

Type: Class 1 Uninsulated Terminals, Ring Tongue
Insulation: None
Terminal Body & Sleeve: Copper, ASTM B-152
Plating: Tin, ASTM B-545
Max Temp Rating: 175˚C

Terminal Specs						DMC MIL Qualified Tool/Die Options
Terminal Part Number		AWG	Wire Size mm	Stud Size	Insulation Diameter in. (mm)	GMT Series
MS20659-	101	22-18	0.26 - 0.96	6	Uninsulated	GMT333 and GMT337 Tool Set
	102			10		
MS20659-	103	16-14	1.04 - 2.62	6	Uninsulated	GMT333 and GMT337 Tool Set
	104			10		
MS20659-	105	12-10	2.62 - 6.64	10	Uninsulated	GMT333 and GMT337 Tool Set
	106			5/16		
MS20659-	125	22-18	0.26 - 0.96	3/8	Uninsulated	GMT333 and GMT337 Tool Set
MS20659-	126	16-14	1.04 - 2.62	6	Uninsulated	GMT333 and GMT337 Tool Set
	127			3/8		
MS20659-	128	12-10	2.62 - 6.64	3/8	Uninsulated	GMT333 and GMT337 Tool Set
MS20659-	161	22-18	0.26 - 0.96	5/16	Uninsulated	GMT333 and GMT337 Tool Set
	162			1/2		
MS20659-	163	16-14	1.04 - 2.62	5/16	Uninsulated	GMT333 and GMT337 Tool Set
	164			1/2		
MS20659-	165	12-10	2.62 - 6.64	6	Uninsulated	GMT333 and GMT337 Tool Set
	166			1/2		

MS21004
(1-21)
Sizes 22 to 10 AWG

Type: Class 1 Uninsulated Terminals, Rectangular Tongue
Insulation: None
Terminal Body & Sleeve: Copper, ASTM B-152
Plating: Tin, ASTM B-545
Max Temp Rating: 175˚C

Terminal Specs						DMC MIL Qualified Tool/Die Options
Terminal Part Number		AWG	Wire Size mm	Stud Size	Insulation Diameter in. (mm)	GMT Series
MS21004-	1	22-18	0.26 - 0.96	4	Uninsulated	GMT333 and GMT337 Tool Set
	2			4		
	3			5		
	4			6		
	5			6		
	6			8		
	7			8		
MS21004-	8	16-14	1.04 - 2.62	4	Uninsulated	GMT333 and GMT337 Tool Set
	9			4		
	10			5		
	11			6		
	12			6		
	13			8		
	14			8		
MS21004-	15	12-10	2.62 - 6.64	4	Uninsulated	GMT333 and GMT337 Tool Set
	16			4		
	17			5		
	18			6		
	19			6		
	20			8		
	21			8		

MS25036
(101-114, 143-159)
Sizes 26 to 10 AWG

Type: Class 1 Insulated Terminals
Insulation: Nylon, UL 94V-2
Terminal Body & Sleeve: Copper, ASTM B-152
Plating: Tin, ASTM B-545
Max Temp Rating: 105˚C

Terminal Specs							DMC MIL Qualified Tool/Die Options		
Terminal Part Number		AWG	Wire Size mm	Stud Size	Insulation Diameter in. (mm)	Sleeve Color	HX4 (/5)	HX3 (/10)	AMT4001 (/40-01)
MS25036-	101	22-18	0.26 - 0.96	6	.140 (3.56)	Red	Y501/ Y1115	X511	AMT4001
	102			6					
	103			10					
	104			5/16					
	105			3/8					
MS25036-	106	16-14	1.04 - 2.62	6	.170 (4.32)	Blue	Y501/ Y1116	X511	AMT4001
	107			6					
	108			10					
	109			5/16					
	110			3/8					
MS25036-	111	12-10	2.62 - 6.64	6	.230 (5.84)	Yellow	Y501/ Y1117	X515	--
	112			10					
	113			5/16					
	114			3/8					
MS25036-	143	26-24	0.12 - 0.24	2	.082 (2.09)	Yellow	Y501	X511	AMT4001
	144			4					
	145			6					
	146			8					
	147			10					
MS25036-	148	22-18	0.26 - 0.96	4	.125 (3.18)	Red	Y501/ Y1115	X511	AMT4001
	149			8					
	150			1/4					
	151			1/2					
MS25036-	152	16-14	1.04 - 2.62	4	.150 (3.81)	Blue	Y501/ Y1116	X511	AMT4001
	153			8					
	154			1/4					
	155			1/2					
MS25036-	156	12-10	2.62 - 6.64	8	.230 (5.84)	Yellow	Y501/ Y1117	X515	--
	157			1/4					
	158			1/2					
MS25036-	159	22-18	0.26 - 0.96	2	.230 (5.84)	Red	Y501/ Y1115	X511	AMT4001

TOOLS

HX3
(M22520/10)

HX4®
(M22520/5)

AMT4001
(M22520/40-01)

GMT232
(M22520/37-01)

GMT333
(M22520/38-02)

GMT337
(M22520/38-03)

GMT1090
(M22520/44-01)

DMC® specializes in manufacturing wire processing tooling, including a range of tools that are specific to terminals and splices. In addition to the tooling shown, custom dies are available.
Additional cross-reference tooling information for Mil-Spec coax, triax, terminals, splices, and end caps can be found in our catalogs and on our website.

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AS81824 Splices 26 to 10 AWG (Class 1)

M7928/5-1 thru -5
Sizes 26 to 10 AWG

Type: Class 1 Insulated Splices
Insulation: Nylon, UL 94V-2
Splice Body & Sleeve: Copper, ASTM B-152
Plating: Nickel, QQ-N-290 or Tin, ASTM B-545
Max Temp Rating: 105˚C

Terminal Specs				DMC MIL Qualified Tool/Die Options	
Splice Part Number	AWG	Wire Size mm	Sleeve Color	HX4 (/5)	HX3 (/10)
M7928/5- 1	26-24	0.12 - 0.24	Yellow	Y527	X525
M7928/5- 2	24 -20	0.16 - 0.65	Clear	Y527	X525
M7928/5- 3	22-18	0.26 - 0.96	Red	Y501/Y1115	X511
M7928/5- 4	16-14	1.04 - 2.62	Blue	Y501/Y1116	X511
M7928/5- 5	12-10	2.62 - 6.64	Yellow	Y501/Y1117	X515

M7928/6-1 thru -5
Sizes 26 to 10 AWG

Type: Class 1 Insulated Splices, Radiation Resistant
Insulation: Polyvinyldene Fluoride (PVF2)
Splice Body & Sleeve: Copper, ASTM B-152
Plating: Tin, ASTM B-545
Max Temp Rating: 150˚C

Terminal Specs				DMC MIL Qualified Tool/Die Options	
Splice Part Number	AWG	Wire Size mm	Sleeve Color	HX4 (/5)	HX3 (/10)
M7928/6- 1	26-24	0.12 - 0.24	Clear w/ Yellow Stripe	Y527	X525
M7928/6- 2	24 -20	0.16 - 0.65	Clear w/ White Stripe	Y527	X525
M7928/6- 3	22-18	0.26 - 0.96	Clear w/ Red Stripe	Y501/Y1115	X511
M7928/6- 4	16-14	1.04 - 2.62	Clear w/ Blue Stripe	Y501/Y1116	X511
M7928/6- 5	12-10	2.62 - 6.64	Clear w/ Yellow Stripe	Y501/Y1117	X515

M81824/1-01 thru -03
Sizes 26 to 12 AWG

Type: Class 1 Insulated Splices
Insulation: Heat Shrinkable Polyvinylidene Fluoride
Splice Body & Sleeve: Copper, ASTM B75-68 or QQ-C-502 or QQ-C-578
Plating: Nickel, QQ-N-290 or Tin, ASTM B-545
Sealing Material: Modified Thermoplastic
Max Temp Rating: 105˚C

Terminal Specs				DMC MIL Qualified Tool/Die Options		
Splice Part Number	AWG	Wire Size mm	Sleeve Color	HX4 (/5)	HX3 (/10)	GMT Series
M81824/1- 01	26-20	0.15 - 0.61	Red	Y540	X528	GMT232
M81824/1- 02	20-16	0.39 - 1.34	Blue	Y540	X528	GMT232
M81824/1- 03	16-12	0.95 - 3.37	Yellow	Y539	X527	GMT232

M81824/6-01 thru -03
Sizes 26 to 12 AWG

Type: Class 1 Insulated Splices
Insulation: Heat Shrinkable Polyvinylidene Fluoride
Splice Body & Sleeve: Copper, ASTM B-280 or B75-68 or B152
Plating: Tin, ASTM B-545
Sealing Material: Modified Thermoplastic
Max Temp Rating: 150˚C

Terminal Specs				DMC MIL Qualified Tool/Die Options		
Splice Part Number	AWG	Wire Size mm	Sleeve Color	HX4 (/5)	HX3 (/10)	GMT Series
M81824/6- 01	26-20	0.15 - 0.61	Red	Y540	X528	GMT232
M81824/6- 02	20-16	0.39 - 1.34	Blue	Y540	X528	GMT232
M81824/6- 03	16-12	0.95 - 3.37	Yellow	Y539	X527	GMT232

M81824/7-01 thru -03
Sizes 26 to 12 AWG

Type: Class 1 Insulated Splices
Insulation: Heat Shrinkable Polyvinylidene Fluoride
Splice Body & Sleeve: Copper, ASTM B-280 or B75-68 or B152
Plating: Tin, ASTM B-545
Sealing Material: Modified Thermoplastic
Max Temp Rating: 150˚C

Terminal Specs				DMC MIL Qualified Tool/Die Options		
Splice Part Number	AWG	Wire Size mm	Sleeve Color	HX4 (/5)	HX3 (/10)	GMT Series
M81824/7- 01	26-20	0.15 - 0.61	Red	Y540	X528	GMT232
M81824/7- 02	20-16	0.39 - 1.34	Blue	Y540	X528	GMT232
M81824/7- 03	16-12	0.95 - 3.37	Yellow	Y539	X527	GMT232

M81824/8-01 thru -03
Sizes 26 to 12 AWG

Type: Class 1 Insulated Splices
Insulation: Heat Shrinkable Polyvinylidene Fluoride
Splice Body & Sleeve: Copper, ASTM B-280 or B75-68 or B152
Plating: Nickel, SAE AMS-QQ-N290
Sealing Material: Modified Thermoplastic
Max Temp Rating: 175˚C

Terminal Specs				DMC MIL Qualified Tool/Die Options		
Splice Part Number	AWG	Wire Size mm	Sleeve Color	HX4 (/5)	HX3 (/10)	GMT Series
M81824/8- 01	26-20	0.15 - 0.61	Red	Y540	X528	GMT232
M81824/8- 02	20-16	0.39 - 1.34	Blue	Y540	X528	GMT232
M81824/8- 03	16-12	0.95 - 3.37	Yellow	Y539	X527	GMT232

M81824/9-01 thru -03
Sizes 26 to 12 AWG

Type: Class 1 Insulated Splices
Insulation: Heat Shrinkable Polyvinylidene Fluoride
Splice Body & Sleeve: Copper, ASTM B-280 or B75-68 or B152
Plating: Tin, ASTM B-545
Sealing Material: Modified Thermoplastic
Max Temp Rating: 150˚C

Terminal Specs				DMC MIL Qualified Tool/Die Options		
Splice Part Number	AWG	Wire Size mm	Sleeve Color	HX4 (/5)	HX3 (/10)	GMT Series
M81824/9- 01	26-20	0.15 - 0.61	Red	Y540	X528	GMT232
M81824/9- 02	20-16	0.39 - 1.34	Blue	Y540	X528	GMT232
M81824/9- 03	16-12	0.95-3.37	Yellow	Y539	X527	GMT232

M81824/10-01 thru -03
Sizes 26 to 12 AWG

Type: Class 1 Insulated Splices
Insulation: Heat Shrinkable Polyvinylidene Fluoride
Splice Body & Sleeve: Copper, ASTM B-280 or B75-68 or B152
Plating: Nickel, SAE AMS-QQ-N290
Sealing Material: Modified Thermoplastic
Max Temp Rating: 175˚C

Terminal Specs				DMC MIL Qualified Tool/Die Options		
Splice Part Number	AWG	Wire Size mm	Sleeve Color	HX4 (/5)	HX3 (/10)	GMT Series
M81824/10- 01	26-20	0.15 - 0.61	Red	Y540	X528	GMT232
M81824/10- 02	20-16	0.39 - 1.34	Blue	Y540	X528	GMT232
M81824/10- 03	16-12	0.95-3.37	Yellow	Y539	X527	GMT232

M81824/11-01 thru -03
Sizes 26 to 12 AWG

Type: Class 1 Insulated Splices
Insulation: Heat Shrinkable Cross-Linked Polyvinylidene Fluoride
Splice Body & Sleeve: Copper, ASTM B-280 or B75 or B187
Plating: Nickel, SAE AMS-QQ-N290
Sealing Material: Modified Thermoplastic
Max Temp Rating: 200˚C

Terminal Specs				DMC MIL Qualified Tool/Die Options		
Splice Part Number	AWG	Wire Size mm	Sleeve Color	HX4 (/5)	HX3 (/10)	GMT Series
M81824/11- 01	26-20	0.15 - 0.61	Red	Y540	X528	GMT232
M81824/11- 02	20-16	0.39 - 1.34	Blue	Y540	X528	GMT232
M81824/11- 03	16-12	0.95 - 3.37	Yellow	Y539	X527	GMT232

M81824/12-1 thru -3
Sizes 26 to 12 AWG

Type: Class 1 Insulated Splices, Heatless Sealing
Insulation: Transparent Polyvinylidene Fluoride
Splice Body & Sleeve: Copper, ASTM B-280 or B-75, F68, or B-187
Plating: Tin
Sealing Material: Transparent Cross-Linked Gel
Max Temp Rating: 150˚C

Terminal Specs				DMC MIL Qualified Tool/Die Options
Splice Part Number	AWG	Wire Size mm	Sleeve Color	GMT Series
M81824/12- 1	26-20	0.15 - 0.61	Red	GMT1090
M81824/12- 2	20-16	0.39 - 1.34	Blue	GMT1090
M81824/12- 3	16-12	0.95 - 3.37	Yellow	GMT1090

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