

38999
 II
 I
 SJT

26482
 Matrix 2

83723 III
 Matrix Pyle

5015
 Crimp Rear Release Matrix

26500 Pyle

Printed
 Circuit Board

EMI Filter
 Transient

Fiber Optics

High Speed
 Contacts

Options
 Others

Series	Series	Series	Military	JT/LJT		Hermetics			Service Rating	Total Contacts	Contact Size										
				Solder	Crimp	Class H	Class Y	TV*			22D	22M	22	20	16	12	12 (Coax)	10 (Power)	8 (Coax)	8†† (Twinax)	
8-2■				P					M	2				2							
8-3■				X	NA	P	P		M	3				3							
	9-3■			X																	
		9-5★■							Grounded	1											1
8-6				X	X	P	P		M	6		6									
	9-6			X	X	P	P		M	7		7									
	9-7■			X					M	7											
	9-22■			X					I	2				2							
8-35					X	P	P		M	6	6										
	9-35	9-35	A35		X	P	P	P	M	6											
8-44					X	P	P		M	4			4								
	9-44				X				M	4											
		9-94 ■			◆				M	2											
8-97■				X					M	4		2		2							
8-98				S	X	P	P		I	3				3							
	9-98	9-98	A98	X	X	P	P	P	I	3											
	11-2★	11-2★	B2		X	P**			I	2				2							
10-4					3				I	4				4							
	11-4			X	2				I	4											
10-5				X	X	P	P		I	5				5							
	11-5	11-5	B5	X	X			P	I	5											
	11-6■			S					I	6				6							
10-13				X	X	P/S	P/S		M	13		13									
	11-13			X	X	P/S	P/S		M	13											
10-35					X	P/S	P/S		M	13	13										
	11-35	11-35	B35		X	P/S	P/S	P	M	13											
		11-54 ■			X	◆			II	4	4										
10-98				X	X	P/S	P/S		I	6				6							
	11-98	11-98	B98	X	X	P/S	P/S	P	I	6											
10-99					X	P	P		I	7				7							
	11-99	11-99	B99		P	X		P	I	7											
12-3				X	X	◆	P	P	II	3					3						
	13-3■				P				II	3											
12-4				X	X	P	P		I	4				4							
	13-4★	13-4★	C4	X	X	P	P	P	I	4											
12-8				X	X	P	P		I	8				8							
	13-8	13-8	C8	X	X	P	P	P	I	8											
		13-13■							I, Fiber Optic	4				2**	2						
12-22					X	P/S	P/S		M	22		22									
	13-22			X	X	P/S	P/S		M	22											
12-35					X	P/S	P/S		M	22	22										
	13-35	13-35	C35		X	P/S	P/S	P	M	22											
		13-63■			◆				I	4				2	2						
12-98				X	X	P/S	P/S		I	10			10								
	13-98	13-98	C98	X	X	P/S	P/S	P	I	10											
14-4■					2				I	4					4						
	15-4■	15-4■			2	◆			I	4											
14-5				X	X	P	P		II	5				5							
	15-5★	15-5★	D5	X	X	P	P	P	II	5											
14-15				X	X	P	P		I	15			14	1							
	15-15	15-15	D15	X	X	P/S	P/S	P	I	15			14	1							

X Completely tooled.
 • Majority of tooling is completed (contact Amphenol Aerospace for availability).
 ◆ Not tooled for 02-R.
 P Available with Pin contacts only
 S Available with Socket contacts only
 P/S Available with Pin contacts or Socket contacts
 ★ Ground plane proprietary option available. Arrg. 9-5 is exclusively ground plane type.
 ■ Not Mil-Qualified.
 ◆ 21-75 is Mil-Qualified with twinax contacts only.
 Note: MS connector 21-75 is supplied with size 8 twinax.
 Commercial connector 21-75 is supplied with size 8 coax.

* Hermetic inserts - solder termination standard. (Contact Amphenol Aerospace for optional PCB or eyelet termination).
 ** Two size 16 contacts dedicated to fiber optics. See the Fiber Optic section for more information.
 *** For use in MIL-STD-1760 applications (see pages 40 & 41).
 † For RG 180/U and RG 195/U cables only.
 †† Size 8 Coax and Twinax are interchangeable.
 (2) Not Tooled for RP or 02RE
 (3) Pin inserts only, not tooled for RP or 02RE (Consult Sidney, NY for avail.)
 (5) MS Connector 21-79 has provision for two size 8 coax contacts.
 Coax contacts are not supplied unless specified by customer.

Series	Series	Series	Military	JT/LJT		Hermetics			Service Rating	Total Contacts	Contact Size											
				Solder	Crimp	Class H	Class Y	TV*			22D	22M	22	20	16	12	12 (Coax)	10 (Power)	8 (Coax)	8†† (Twinax)		
14-18				X	X	P/S	P/S		I	18												
	15-18	15-18	D18	X	X	P/S	P/S	P	I	18												
14-19				X	X				I	19												
	15-19	15-19	D19		X	P	P	P	I	19												
14-35					X	P	P		M	37	37											
	15-35	15-35	D35		X	P/S	P/S	P	M	37	37											
14-37				X	X	P	P		M	37		37										
	15-37			X	X	P	P		M	37		37										
14-68					2	P	P		1	8											8	
	15-68			X	3				1	8												
14-97					X	P	P		I	12												
	15-97	15-97	D97	X	X	P	P	P	I	12												
	17-2	17-2	E2		X	+			M	39	38											1
16-6					X	P	P		I	6												
	17-6	17-6	E6		X	P	P	P	I	6												
16-8				X	X	P	P		II	8												
	17-8★	17-8★	E8	X	X	P/S	P/S	P	II	8												
16-13					2				I	13												
	17-13				2				I	13												
	17-22	17-22★			+				Coax	4												
	17-25				2				M	24	22											2
16-26				X	X	P/S	P/S		I	26												
	17-26	17-26	E26	X	X	P/S	P/S	P	I	26												
16-35					X	P	P		M	55	55											
	17-35	17-35	E35	X	X	P	P	P	M	55	55											
16-42					X				M	42												
	17-42				P				M	42												
		17-52			X	+			M	2												2
16-55				X	X	P/S	P/S		M	55												
	17-55			X	X	P/S	P/S		M	55												
		17-60			X				I/Coax	10	8											2
16-99				X	X	P	P		I	23												
	17-99	17-99	E99	X	X	P	P		I	23												
		19-AD			X	+			Inst.	17												1
18-11				X	X	P	P		II	11												
	19-11★	19-11★	F11	X	X	P	P	P	II	11												
	19-18	19-18	F18		2	X			M	18	14											4
18-28				X	X				I	28												
	19-28	19-28	F28	X	P	X			I	28												
18-30				X	X				I	30												
	19-30			X	P				I	30												
		19-31			X				M	15	12											2
18-32				X	X	P/S	P/S		I	32												
	19-32	19-32	F32	X	X	P/S	P/S	P	I	32												
18-35					X	P	P		M	66	66											
	19-35	19-35	F35		X	P	P	P	M	66	66											
18-53				X	X				M	53												
	19-53				P				M	53												
18-66				X	X	P	P		M	66												
	19-66				X	P	P		M	66												
	19-67			X	3	S	S		M	67												
18-68					2				I	18												
	19-68				3				I	18												
18-96					2				I	9												
20-1					X	P	P		M	79												
	21-1				X	P/S	P/S		M	79												
20-2					X				M	65												
	21-2				X				M	65												
20-11					3				I	11												
	21-11★	21-11★	G11		X				I	11												

III	38999
II	SJT
I	26482 Matrix 2
III	83723 III Matrix Pyle
Release Matrix	5015 Crimp Rear
26500 Pyle	Printed Circuit Board
EM1 Filter	Transient
Fiber Optics	
High Speed	Contacts
Options	Others

- 38999 SJT
- 26482 Matrix 2
- 83723 III Matrix Pyle
- 5015 Crimp Rear Release Matrix
- 26500 Pyle
- Printed Circuit Board
- EMI Filter Transient
- Fiber Optics
- High Speed Contacts
- Options Others

Series	Series	Series	Military	JT/LJT		Hermetics				Service Rating	Total Contacts	Contact Size															
				Solder	Crimp	H	Y	TV*	22D			22M	22	20	16	12	12 (Coax)	10 (Power)	8 (Coax)	8†† (Twinax)							
20-16				X	X	P/S	P/S			II	16									16							
	21-16★	21-16★	G16	X	X	P	P	P		I	25																
	21-25■			X						I	27																
	21-27■			X						I	27																
		21-29■			X					I	27											19	4	4			
20-35					X	P	P			M	79	79															
	21-35	21-35	G35		X	P/S	P/S	P																			
20-39				X	X	P	P			I	39																
	21-39	21-39	G39	X	X	P	P	P																			
20-41				X	X	P	P			I	41																
	21-41	21-41	G41	X	X	P/S	P/S	P																			
	21-75★	21-75★◇	G75		2	X				N	M	4											4	(4)			
	21-79■	21-79■			2	X				II	19	17												2	(5)		
22-1					X	P/S	P/S			M	100		100														
	23-1				X	P	P																				
22-2				X	X	P	P			M	85			85													
	23-2			X	X	P	P			M	85																
	23-6★■	23-6★■			P					M	6														6		
22-14■					2	◆				I	14														14		
	23-14■	23-14■			2	◆																					
22-21				X	X	P	P			II	21														21		
	23-21★	23-21★	H21	X	X	P	P	P																			
22-32				X	X	P	P			I	32														32		
	23-32■			X	P					I	32																
	23-34■			X						I	34														34		
22-35					X	P/S	P/S			M	100	100															
	23-35	23-35	H35		X	P	P	P																			
22-53■					P					I	53														53		
	23-53	23-53	H53	X	X	P/S	P/S	P		M	53	40													9	4	
		23-54■			X					M	53																
22-55				X	X	P	P			I	55														55		
	23-55	23-55	H55		X			P																			
	23-97■			X						II	16														16		
	23-99■			X						II	11														11		
24-1					X	P	P			M	128		128														
	25-1				X	P	P																				
24-2					X					M	100			100													
	25-2				X																						
24-4					X	P	P			I	56														48	8	
	25-4	25-4	J4		X			P																			
	25-7■	25-7	J7		X					M	Twinax	99	97												2		
		25-8★	J8		◆					Twinax	8														8		
		25-11***	J11		2	◆				N	11														2		
		25-17■			◆					M	42														36		
24-19■					X	P	P			I	19														19		
	25-19★	25-19★	J19		X			P																			
	25-20■	25-20***	J20		2	◆				N	30														10	13	4
24-24					X	P	P			I	24														12	12	
	25-24★	25-24★	J24		X	P	P																				
		25-26■			◆					I	25														16	5	
24-29					X					I	29														29		
	25-29★	25-29★	J29	X	X																						

X Completely tooled.
 • Majority of tooling is completed (contact Amphenol Aerospace for availability).
 ◆ Not tooled for 02-R.
 P Available with Pin contacts only
 S Available with Socket contacts only
 P/S Available with Pin contacts or Socket contacts
 ★ Ground plane proprietary option available. Arrg. 9-5 is exclusively ground plane type.
 ■ Not Mil-Qualified.
 ◇ 21-75 is Mil-Qualified with twinax contacts only.
 * Hermetic inserts - solder termination standard. (Contact Amphenol Aerospace for optional PCB or eyelet termination).

** Two size 16 contacts dedicated to fiber optics. See the Fiber Optic Section for more information.
 *** For use in MIL-STD-1760 applications (see pages 40 & 41).
 † For RG 180/U and RG 195/U cables only.
 †† Size 8 Coax and Twinax are interchangeable.
 (2) Not Tooled for RP or 02RE
 (3) Pin inserts only, not tooled for RP or 02RE (Consult Sidney, NY for avail.)
 (4) MS connector 21-75 is supplied with size 8 twinax. Commercial connector 21-75 is supplied with size 8 coax.
 (5) MS Connector 21-79 has provision for two size 8 coax contacts. Coax contacts are not supplied unless specified by customer.

MIL-DTL-38999, Series I LJT, II JT, III TV Insert Availability and Identification Chart



Series	Series	Series	Military	JT/LJT		Hermetics					Contact Size										
JT II	LJT I	TV III	TV III	Solder	Crimp	H	Y	TV*	Service Rating	Total Contacts	22D	22M	22	20	16	12	12 (Coax)	10 (Power)	8 (Coax)	8†† (Twinax)	8 Quadrax
24-35					X	P	P		New	128	128										
	25-35	25-35	J35		X	P	P	P	M												
24-37					X				I	37					37						
	25-37★	25-37★	J37		X				N/Inst.	41	22			3	11		2			3	
24-43■					3				I	43					23	20					
	25-43	25-43	J43	X	2	◆			I	46				40	4		2				
	25-46	25-46	J46		2	◆			I	61											
24-61					X	X	P	P	I	61					61						
	25-61	25-61	J61	X	X	P	P	P	I												
		25-62■			X	◆			I	12					8						4
		25-90■			◆				I	46					40	4				2	
		25-F4 ■			X				M/I	66	49				13	4					

- X Completely tooled.
- ◆ Not tooled for 02-R.
- P Pin inserts only (contact Amphenol Aerospace for socket availability).
- ★ Ground plane proprietary option available. Arrg. 9-5 is exclusively ground plane type.
- Not Mil-Qualified.

TV Series III

Select Shell Size - Special Insert Arrangement

(Not Mil-Spec Qualified)

Shell Size-Insert Arrg.	Military Shell-Insert Arrg.	Crimp	Hermetics*	Service Rating	Total Contacts	Comments	Contact Size				
							22D	20	16	12	8†† (Twinax)
9-2	A2	X		I	2	Formerly Pyle		2			
15-4	D4	X		II	4	Formerly Pyle			4		
15-25	D25	X		M	25	Formerly Pyle	22		3		
17-20	E20	X		M	20	Formerly Pyle		16	4		
21-12	G12	X		I	12	Formerly Pyle		3		9	
21-21	G21	X		M/Inst.	41	Improved sealing	32			9	
21-99	G99	X		M	16	Formerly Pyle	5			11	
25-92	J92	X		M	101	Formerly Pyle	92		9		
25-97	J97	X		M	42	Formerly Pyle	26		3	13	

Select Non-Standard Shell Size

- Special Insert Arrangement

Shell Size-Insert Arrg.	Crimp	Hermetics*	Service Rating	Total Contacts	Contact Size				
					22D	20	8	4	0
25-16	X		M	8		6		2	
25L-3	X		II	3			1	2	
25L-7	X		II	7			7		
33-3	X		II	3				1	2
33-5	X		II	5				5	
33-6	X		II	6			2	4	
37-5	X		II	4					4

(Insert arrangements requiring non-standard shells or larger contacts)

- X Completely tooled.
 - Majority of tooling is completed (contact Amphenol Aerospace for availability).
 - ◆ Not tooled for 02-R.
 - P Pin inserts only (contact Amphenol Aerospace for socket availability).
 - ★ Ground plane proprietary option available. Arrangement 9-5 is exclusively ground plane type.
 - Not Mil-Qualified.
 - * Hermetic inserts - solder termination standard. (Contact Amphenol Aerospace for optional PCB or eyelet termination).
 - ** Two size 16 contacts dedicated to fiber optics. See the Fiber Optic section for more information.
 - *** For use in MIL-STD-1760 applications (pgs. 40 & 41).
 - † For RG 180/U and RG 195/U cables only.
 - †† Size 8 Coax and Twinax are interchangeable.
- Note: 25L-3 and 25L-7 require longer shells.

38999 SJT

26482 Matrix 2

83723 III Matrix Pyle

5015 Crimp Rear Release Matrix

26500 Pyle

Printed Circuit Board

EMI Filter Transient

Fiber Optics

High Speed Contacts

Options Others