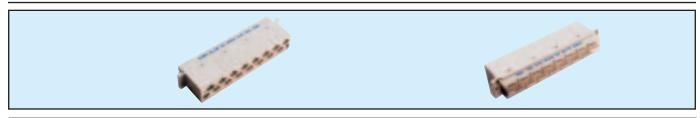
Female Style H 15 Crimp

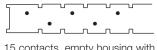


Series $8454 - 2 \text{ rows } (1 \times 7 + 1 \times 8)$



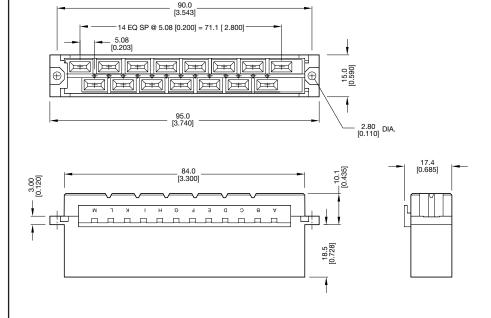
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612 I
	15	empty housing with	22 8454 015 001 000
Crimp		integrated keying	
Crimp contacts	Performance class I according DIN 41612 on Reel		60 8454 0213 99 697
1.5mm² to 2.5 mm² wire	Performance	class I according DIN 41612 loose	60 8454 0213 00 697
Keying Strip for one			
connector pair			60 2427 3074 12 000
Contact removal Tool			06 8454 8010 00 000
Hand Crimp Tool			consult sales office
Semi Auto Crimp Tool			consult sales office

LOADING DESCRIPTION



15 contacts, empty housing with integrated keying

DIMENSIONS



Part Numbering Format



8457 096 002 025 10 **PREFIX VARIATIONS -**10 Male without keying system 11 Male Press-Fit without flanges, without keying system 12 Male with keying system 13 Male Press-Fit without flanges, with keying system 16 Male with 1.6mm board retention clip without keying system 17 Male with 1.6mm board retention clip with keying system 20 Female without keying system 21 Female Press-Fit without flanges, without keying system 22 Female with keying system 23 Female Press-Fit without flanges, with keying system **26** Female with 1.6mm board retention clip without keying system 27 Female with 1.6mm board retention clip with keying system 00 Special Device **SERIES NUMBER -**NUMBER OF CONTACT CAVITIES **Ex: 096** = 96 cavities **128** = 128 cavities **160** = 160 cavities **CONTACT VARIATIONS -**Tail lengths, Lead styles etc. PERFORMANCE CLASS AND LOADING VARIATIONS

Class	M55302 Class I	DIN 41612 Class II	DIN 41612 Class III
Cycle Life	500+ Mating Cycles	400 Mating Cycles	50 Mating Cycles

QUALIFIED MILITARY PART NUMBERS

Military Designation		
M55302/131-01	M55302/134-02	
M55302/131-02	M55302/134-04	
M55302/132-01	M55302/134-05	
M55302/132-02	M55302/134-07	
M55302/132-03	M55302/134-08	
M55302/132-04	M55302/157-01	
M55302/132-05	M55302/157-02	
M55302/132-06	M55302/157-03	
M55302/133-01	M55302/157-04	
M55302/133-02	M55302/158-01	
M55302/133-03	M55302/158-02	
M55302/134-01		

Technical Specifications



inches (mm)

OFFIC	Grid Grid	0.100 (2.54) × 0.100 (2.54) - 0.100 (2.54) × 0.200 (5.08)	
SERIES Insertion Force		3.0 oz./.83 N average per contact pair (20.23/90N max. for 96 contacts)	
	drawal Force	Average per contact pair (.54 oz./0.15N min. per contact)	
	act Positions	2 x 16, 2 x 32, 3 x 10, 3 x 16, 3 x 32, 3 x 50, 4 x 32, 4 x 50, 5 x 32 20 milliohms max.	
	act Resistance		
8483/8484 Curre	ent Rating* (see note)	3 amperes @ 20°C max. on connectors up to 96 contacts	
		1 ampere max. on connectors from 100 to 201 contacts	
Insula	ation Resistance	5,000 megohms min. at 500 VDC	
_Diele	ctric Withstanding	1,000 VAC rms at sea level -65°C to +125°C Thermoplastic polyester (GF), 94 V-O, UL rated	
_Oper	ating Temperature		
Insula	ator Material		
Sock	et Contact Material	Phosphor bronze	
Pin C	Contact Material	Copper tin	
Wrap	Post Dimension	0.024 x 0.024 (0.6 mm x 0.6 mm)	
Push	-Out Force of Post in Insulator	3 lbs.	
Cont	act Plating	DIN performance classes	
Basic	Grid	0.200 (5.08) x 0.200 (5.08)	
SERIES Inser	tion Force	4.0 oz./1.11 N average per contact pair (9.0 lbs./40N max. for 32 contacts)	
8447 Without	drawal Force	Average per contact pair (.54 oz./0.15N min. per contact)	
Cont	act Positions	2 x 16, 3 x 16	
Conta	act Resistance	15 milliohms max.	
Curre	ent Rating* (see note)	5.5 amperes @ 20°C max.	
Insula	ation Resistance	5,000 megohms min. at 500 VDC	
Diele	ctric Withstanding	1,550 VAC rms at sea level	
	ating Temperature	-65°C to +125°C	
	ator Material	Thermoplastic (GI), 94 V-O, UL Rated	
	Contact Material	Copper alloy	
	Post Dimension	1.0 mm x 1.0 mm	
	act Plating	DIN performance classes	
	c Grid	0.100 (2.54) × 0.100 (2.54) - 0.100 (2.54) × 0.200 (5.08)	
CEDIEC	tion Force	3.0 oz./.83 N average per contact pair (20.23/90N max. for 96 contacts)	
000000000000000000000000000000000000000	drawal Force	Average per contact pair (.54 oz./0.15N min. per contact)	
	act Positions	3 x 16, 3 x 32, 4 x 32, (inverted receptacle)	
	act Resistance	20 milliohms max.	
	ent Rating* (see note)	3 amperes @ 20°C max. on connectors up to 96 contacts	
	ation Resistance	5,000 megohms min. at 500 VDC	
	ctric Withstanding	1,000 VAC rms at sea level	
	ating Temperature	-65°C to +125°C	
	ator Material		
		Surface mount compatible polymers, 94 V-O, UL Rated	
	et Contact Material	Phosphor bronze	
	Contact Material	Copper alloy	
	Post Dimension	0.024 x 0.024 (0.6 mm x 0.6 mm)	
	-Out Force of Post in Insulator	3 lbs.	
	act Plating	DIN performance classes	
Solde	er Temperature	max. 250°C	

*Current Rating: UL approval allows that DIN connectors up to 96 contacts be rated at 3 amperes. Over 96 pins must be derated to 1.0 ampere maximum VDE, CSA, and other European standards rate all DIN and DIN type connectors at 1 ampere maximum when they are on an 0.100 (2.54) x 0.100 (2.54) grid. (UL file # E27610 Vol. #1 Section #6)

Technical Specifications



inches (mm)

	Basic Grid	0.200 (5.08) x 0.200 (5.08)
SERIES	Insertion Force	4.0 oz./1.11 N average per contact pair (9.0 lbs./40N max. for 32 contacts)
8449/8450	Withdrawal Force	Average per contact pair (.54 oz./0.15N min. per contact)
8456/8454	Contact Positions	2 x 5 + 2, 3 x 16, 1 x 11, 1 x 7, 1 x 8
8487	Contact Resistance	15 milliohms max.
	Current Rating* (see note)	5.5 amperes @ 20°C max. (8456)
	Insulation Resistance	5,000 megohms min. at 500 VDC
	Dielectric Withstanding	1,550 VAC rms at sea level
	Operating Temperature	-65°C to +125°C
	Insulator Material	Polycarbonate (GF)
	Pin Contact Material	Copper alloy
	Wrap Post Dimension	N/A
	Contact Plating	DIN performance classes

*Current Rating: UL approval allows that DIN connectors up to 96 contacts be rated at 3 amperes. Over 96 pins must be derated to 1.0 ampere maximum VDE, CSA, and other European standards rate all DIN and DIN type connectors at 1 ampere maximum when they are on an 0.100 (2.54) x 0.100 (2.54) grid. (UL file # E27610 Vol. #1 Section #6)