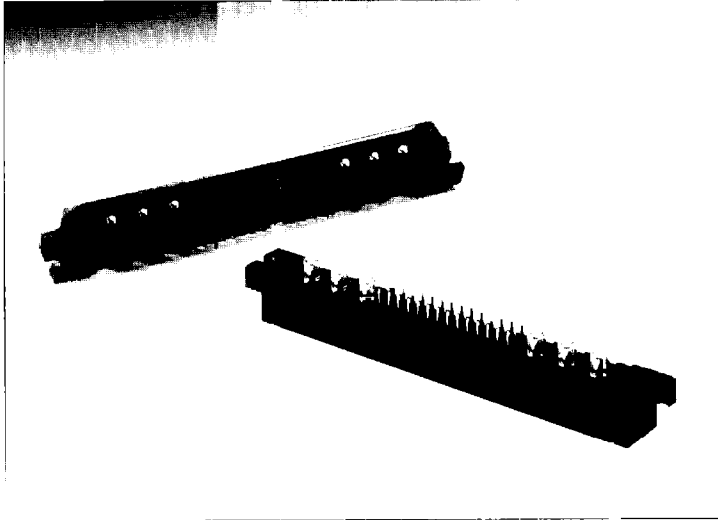


# DIN Connectors

## Pre-Assembled Mixed Signal/Power Guided Vertical Plug



### MATERIAL AND PLATING

- **HOUSING:** Black Thermoplastic UL94 V-0
- **SIGNAL CONTACTS:** Copper alloy
- **POWER CONTACTS:** Copper alloy
- **SIGNAL PLATING:** B - .000030 (.00076) gold in contact area tin lead on tails with .000050 (.00127) nickel underplate all over
- **POWER PLATING:** .000200 (.00508) tin lead

### PERFORMANCE CHARACTERISTICS

- **MATING AND GENERAL SPECIFICATIONS:** PAGE 5
- **DE-RATING CURVE:** PAGE 7
- **GUIDED DIN ALIGNMENT ANALYSIS:** PAGE 64



We developed the RPIG Series, Guided DIN, to mate safely when used in applications where alignment tolerances may exceed the norm. The RPIG Series features molded guides that more than double the permissible alignment tolerances specified in DIN 41612. The comparison below defines the additional alignment tolerances of the RPIG.

	Longitudinal Tolerance	Transversal Tolerance
Burndy's RPIG Series	.095"	.093"
DIN 41612	.039"	.039"

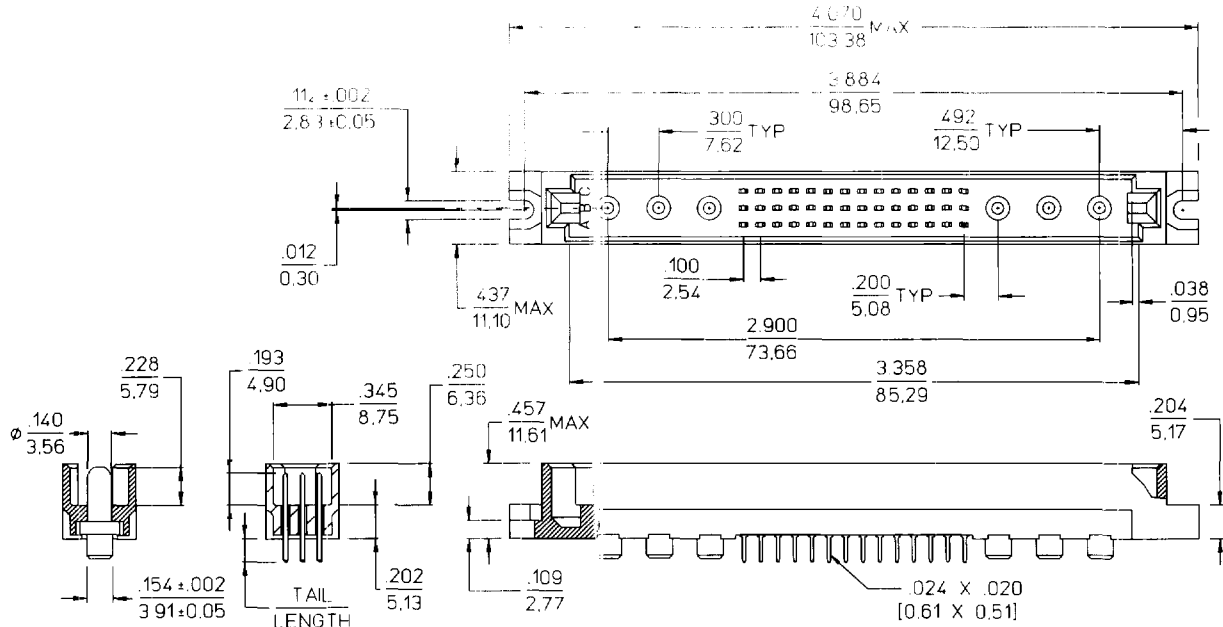
We pioneered this guided mixed power and signal connector system to maximize cost efficiency and minimize total installed cost. This series is supplied with preassembled wave solderable contacts capable of carrying up to 30 amperes (20 amperes continuous). This series has been designed to accept both its guided receptacle mate and DIN 41612 Style M receptacles equipped with power contacts. First make/last break power variations, and a compliant pin version are also available. *See Page 64 for additional details.*

### How to order

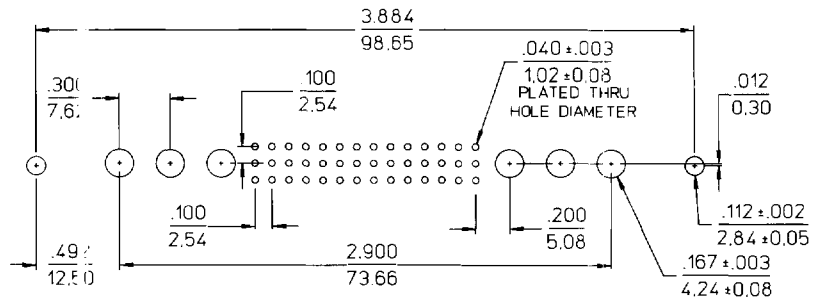
<b>Series</b>	RPIG	U	0	B
<b>.100 Spacing</b>				
<b>Contact Loading</b>	0 = Rows A, B, C Fully Loaded 1 = Rows A, B Fully Loaded 2 = Rows A, C Fully Loaded			
<b>Plating</b>	B = 30 µin (.76 microns) Gold min.			

# DIN Connectors

## Pre-Assembled Mixed Signal/Power Guided Vertical Plug



### Recommended Printed Circuit Board Layout



\* FOR SIZES NOT SHOWN, REPLACE EACH POWER CONTACT WITH 9 SIGNAL CONTACTS AS NEEDED.

NUMBER OF SIGNAL/POWER POSITIONS	SIGNAL ROWS LOADED	CONTACT PLATING (µin GOLD)	PART NUMBERS		CONTACT ARRANGEMENT
			TAIL LENGTH		
			.138" (3,50) Signal .118" (3,00) Power	.177" (4,50) Signal .187" (4,75) Power	
42/6	A, B, C	30	RPIG42U30PB12	• RPIG42U30PB14	
	A, B	30	RPIG42U31PB12	• RPIG42U31PB14	
60/4	A, B, C	30	RPIG60U30PB12	RPIG60U30PB14	
78/2	A, B, C	30	RPIG78U30PB12	RPIG78U30PB14	

• U.S. Standard Product