



Device Engineering Inc. Product Selection Matrix

Device Engineering is pleased to provide you with this selection chart which includes our ARINC product line and all of the available options. Please visit our website at <http://www.deiaz.com> to download data sheets and view our entire line of avionics products.

Device Engineering Part Number	Package Type	Temp Range (3)	429 Channels	422 Mode	Tristate	Output Resistance				Fused Outputs	Burn-in	Comments, (Notes)
						0 Ω	10 Ω	13 Ω	37.5 Ω			
BD429	16L CERDIP	M 1	X					X	X	X		
BD429A	16L SOIC WB	E 1	X					X	X			
BD429A1	16L SOIC WB	E 1	X					X	X	X		
BD429B	28L PLCC	E 1	X					X	X			
DEI0429-NES	16L PDIP	E 1	X					X	X			
DEI0429-WMS	16L CSOP	M 1	X					X	X			
DEI0429-WMB	16L CSOP	M 1	X					X	X	X		
DEI1022	14L SOIC NB	E 1						X				
DEI1023	14L SOIC NB	E 1						X	X			
DEI1024	14L SOIC NB	E 1			X							
DEI1025	14L SOIC NB	E 1			X				X			
DEI1032	16L SOIC NB	E 1	X		X							
DEI1038	28L PLCC	E 1	X			X						
DEI1052	14L EQ SOIC	E 1			X						Supports 500 KHz	
DEI1070-CMS	8L CERDIP	M 1						X				
DEI1070-SES	8L EQ SOIC	E 1						X				
DEI1071-CMS	8L CERDIP	M 1				X						
DEI1071-SES	8L EQ SOIC	E 1				X						
DEI1072-SES	8L EQ SOIC	E 1			X							
DEI1072-CMS	8L CERDIP	M 1			X							
DEI1073-SES	8L EQ SOIC	E 1	X					X				
DEI1074-SES	8L EQ SOIC	E 1	X		X	X						
DEI1075-SES	8L EQ SOIC	E 1	X	X	X							
DEI1170-MES	20L MLPQ	E 1		X	X	X	X				Conductive Tab	
DEI1171-MES	20L MLPQ	E 1		X	X	X	X				Isolated Tab	
DEI3182A-CMS	16L CERDIP	M 1			X			X			(2)	
DEI3182A-CMB	16L CERDIP	M 1			X			X	X		(2)	
DEI3182A-DMS	16L SB CDIP	M 1			X			X			(2)	
DEI3182A-DMB	16L SB CDIP	M 1			X			X	X		(2)	
DEI3182A-EMS	28L CLCC	M 1			X			X			(2)	
DEI3182A-EMB	28L CLCC	M 1			X			X	X		(2)	
DEI1270-MES	38L MLPQ	E 2		X	X	X	X				Conductive Tab	
DEI1271-MES	38L MLPQ	E 2		X	X	X	X				Isolated Tab	

ARINC 429 Line Drivers

- notes:
 (1) - New Product. Contact factory for price and availability.
 (2) - Exact Form Fit Function replacement for obsolete Fairchild (former Raytheon) RM3182A/ RM3283 devices.
 (3) - E = -55C to +85C; M = -55C to +125C; A = -40C to +125C

Device Engineering Part Number	Package Type	Temp Range (3)	Channels	Lightning Protect	Burn-in	Comments, (Notes)
DEI1041-SES	8L SOIC	E 1	1	⚡		Single Line w/ test
DEI1041-SMS	8L SOIC	M 1	1	⚡		Single Line w/ test
DEI3283-SAS	20L SOIC	A 2	2			Dual Line with Test (2)
DEI3283-SES	20L SOIC	E 2	2			Dual Line with Test (2)
DEI3283-SMS	20L SOIC	M 2	2			Dual Line with Test (2)
DEI3283-CMS	20L CERDIP	M 2	2			Dual Line with Test (2)
DEI3283-EMS	20L CLCC	M 2	2			Dual Line with Test (2)
DEI3283-SAB	20L SOIC	A 2	2		X	Dual Line with Test (2)
DEI3283-SEB	20L SOIC	E 2	2		X	Dual Line with Test (2)
DEI3283-SMB	20L SOIC	M 2	2		X	Dual Line with Test (2)
DEI3283-CMB	20L CERDIP	M 2	2		X	Dual Line with Test (2)
DEI3283-EMB	20L CLCC	M 2	2		X	Dual Line with Test (2)
DEI1044	20L TSSOP	E 4	4	⚡		Quad Line receiver w/ test
DEI1045	20L TSSOP	E 4	4	⚡		Quad Line receiver w/o test
DEI1046-TES	38L TSSOP	E 8	8	⚡		Octal Line receiver w/ test (1)
DEI1047-TES	38L TSSOP	E 8	8	⚡		Octal Line receiver w/o test (1)
DEI1016	40L SB DIP	M			X	Industry standard ARINC 429 transceiver with 2 Receive channels and 1 Transmit channel.
DEI1016A	44L PQFP	E				
DEI1016B	44L PLCC	E				
DEI1016C	40L PDIP	E				
DEI1016-PMS	44L PLCC	M				
DEI1016-QMS	44L PQFP	M				
DEI1026A-SES	16L SOIC NB	E 6	6	⚡		Open / GND, Meets ABD0100
DEI1026A-WMS	16L CSOP	M 6	6	⚡		Open / GND, Meets ABD0100
DEI1026A-WMB	16L CSOP	M 6	6	⚡	X	Open / GND, Meets ABD0100
DEI1026	16L SOIC NB	E 6	6	⚡		Open / GND
DEI1026-WMS	16L CSOP	M 6	6	⚡		Open / GND
DEI1026-WMB	16L CSOP	M 6	6	⚡	X	Open / GND
DEI1054	16L SOIC NB	E 6	6	⚡		28V/ Open
DEI1058	16L SOIC NB	E 6	6	⚡		28V/ GND
DEI1066-SES	16L SOIC NB	E 8	8	⚡		Open/ GND with Serial Output
DEI1066-WMS	16L CSOP	M 8	8	⚡		Open/ GND with Serial Output
DEI1066-WMB	16L CSOP	M 8	8	⚡	X	Open/ GND with Serial Output
DEI1166-TES	24L TSSOP	E 8	8	⚡		Open/ GND with Parallel Output
DEI1166-TMS	24L TSSOP	M 8	8	⚡		Open/ GND with Parallel Output
DEI1028-SES	8L SOIC NB	E 1	1			Transient voltage clamp for 28V bus
DEI1030	8L SOIC NB	E 1	1	⚡		Lighting bus mapping circuit
DEI1090-SES	16L WB SOIC	E 8	8			Square Law LED Driver (1)

ARINC 429 Receivers

Transceivers

Discrete to Digital

misc