## **RENESAS TECHNICAL UPDATE**

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Product Category System LSI				Document No.	TN-ECL-A003A/E	Rev.	1.00	
Title		EC-1 User's Manual: Hardware Correction and adding notifications about Ethe Slave Controller	Information Category	Technical Notification				
			Lot No.					
Applicable Product		EC-1	Reference Document	EC-1 User's Manual: Hardware Rev.1.10 R01UH0691EJ0110 Rev.1.10				
		adding notification about EtherCAT Slave Co	ntroller.					
		of EtherCAT Slave Controller:			<b>2</b>			
No. 1	Page 525	Current description 22.3.7.1 AL Control Register (AL_CONTRO		Correct description 22.3.7.1 AL Control Register (AL_CONTROL)				
		Description of b5 Value after reset: x Symbol:— Bit Name: Reserved Description : When read, the value r undefined. PDI:R(Clear) ECAT:R/(W)	0: No request 1: Device ID request PDI:R(Clear) ECAT:R/(W)					
2	525	22.3.7.2 AL Status Register (AL_STATUS) Description of b5		22.3.7.2 AL Description of	Status Register (AL_ST/	ATUS)		
		Value after reset: x Symbol:— Bit Name: Reserved Description : When read, the value r undefined.	eturned is	Value after r Symbol : DE Bit Name : D Description :	eset: 0 /ICEID Device ID Status Device ID Status ID not valid			
3	530	Symbol:— Bit Name: Reserved Description : When read, the value r	CONFIG)	Value after ro Symbol : DEV Bit Name : D Description : 0: Device 1: Device 22.3.8.3 PDI Description c Value after ro Symbol : ONC Bit Name : C Description :	eset: 0 /ICEID Device ID Status Device ID Status ID not valid ID loaded Configuration Register ( of b7 to b5 eset: 010	ation		







	<u></u>		PF		
Status of PHY	Normal	Reset state	Power-Up state	Normal	
PHYRESTOUT# pin					
ETHSFTRST Register PHYRST bit			Startup complete		
ESC_DL_STATUS Register PDIOPE bit (EEPROM loaded)			ESC Esc		ESC needs to complete Startup before PHY does
ETHSFTRST Register CATRST bit (RESET INPUT of ESC)		)	About 1ms		
ESC RESET OUTPUT					

