<u>Errata</u>

"Pulse Control LSI: PCL6115/6125/6145 User's Manual" (DA70152-1/0E1) contains the error described below.

Please confirm the following corrections.

Page	Corrected part			Incorrect			Correct
83	4-4-4-1. RMD(PRMD): Operation mode setting register						
			1:S-curve acceleration/deceleration.				
	10	MSMD	Selects	The follow	wing will be added ou	utside the ta	ble.
			acceleration/deceleration	*1 Wher	n the S-curve section	n (<i>RDS> 0</i>) ii	n S-curve deceleration is set, and S-curve
			operations.	accel	eration / deceleratior	n (<i>RMD.MSI</i>	MD = 1) is selected, there is a timing that
			0: Linear	pulse	output DOES NOT	STOP even	if deceleration stop is attempted by turning
			acceleration/deceleration	ON th	ne ALM signal.		
				Altho	ugh you instruct to d	lecelerate ar	id stop at this timing, a motor maintains the
					peed (<i>RSPD.AS</i> = R	<i>(FL)</i> while the	e operating status remains decelerating
				The follo	S.CND = 11010).	the motor n	at to stop.
				Set	the S-curve section	(RDS> 0) in	S-curve deceleration
				Sele	ect S-curve accelerat	tion / decele	(RMD MSMD = 1)
				Imm	nediately after accele	eration (while	RSPD.AS = RFL), attempt deceleration
				stop	by inputting an ALM	/i signal or u	sing the SDSTP (4Ah) command.
				- Counter	measure when the r	notor does r	not stop:
				Whi	le the motor is decel	lerating (RS	<i>TS.CND</i> = 1101b) and the motor is
				mai	ntaining the FL spee	d (RSPD.AS	S = <i>RFL</i>), use the STOP (49h) command to
				stop	immediately.		
				- Measur	es to stop:		
				Take	e one of the following	g measures.	
				1.	Use full S-curve de	eceleration (<i>I</i>	RDS = 0) with no linear deceleration
					section.		
					Do not set the S-cu	Irve section	(<i>RDS</i> > 0) in S-curve deceleration.
				2.	Select linear accele	eration / dec	eleration ($RMD.MSMD = 0$).
					Do not select S-cu	irve accelera	ation / deceleration ($RMD.MSMD = 1$).
				3.	Do not use deceler	ration stop w	hen a signal such as ALM signal is input.
					deceleration Also		curve section $(RDS > 0)$ in S-curve
					can be selected		
					In this case, howe	ver. do not u	use SDSTP (4Ah) command immediately
					after acceleration ((while RSPD	DAS = RFL). The time "Ta" immediately
					after acceleration (、 (while <i>RSPL</i>	D.AS = RFL) can be calculated by the
					following formula:		
					When $RUS > 0$:	(R)	$UR + 1 \times 4 \times \sqrt{RUS}$
						$Ta[s] = \frac{C}{C}$, f _{clk}
					When $RUS = 0$:	(
						((R	$UR+1) \times 4 \times \sqrt{\frac{KFH - KFL}{2}}$
						$Ta[s] = \frac{1}{2}$, f _{clk}

Page	Corrected part	Incorrect				Correct		
89	4.4.4.2 RENV1: Environment setting		Incorrect:					
			RENV1.PCSM	RMD.MPCS	PCSn t	erminal	CSTA terminal	
	30 PCSM 1:		0	0	General-pur	pose input	Simultaneous start	
			0	1	Start pulse o	counts	Simultaneous start	
			1	0	Start own-a	xis	Shared input	
					1		1 1	
		Сс	orrect:		1			
			RENV1.PCSM	RMD.MPCS	PCSn t	erminal	CSTA terminal	
			0	0	General-pur	pose input	Simultaneous start	
			0	1	Start pulse o	counts	Simultaneous start	
			1	0	Start own-a	xis	Shared input	
			1	1	Start own-a	xis	Shared input	
40.4								
104	4-4-7-1. KOTS: Obtaining extension status register	"D					SI – 0"	
	8 SPCS 1:	"RMD.PCSL = 0 .				"RENV1.PCSL = 1".		
104	4-4-7-1. RSTS:							
	Obtaining extension status register	"RMD.ERCL = 0".			"RENV1.ERCL = 0".			
	9 SERC 1:	R	MD.ERCL = 1°.				GL = 1°.	
104	4-4-7-1. RSTS:							
	Obtaining extension status register	"RMD.DRL = 0".				"RENV1.DRL = 0".		
	11 SPDR 1:	"R	MD.DRL = 1".			"RENV1.DR	L = 1".	
105	4-4-7-1. RSTS:							
	Obtaining extension status register	"RMD.DRL = 0".			"RENV1.DRL = 0".			
	12 SMDR 1:	"R	MD.DRL = 1".			"RENV1.DR	L = 1".	
105	4-4-7-1. RSTS:							
	Obtaining extension status register	"RMD.SDL = 0".			"RENV1.SDL = 0".			
	14 SDIN 1 :	"R	MD.SDL = 1".			"RENV1.SD	L = 1".	
105	4-4-7-1. RSTS:							
	Obtaining extension status register	"RMD.INPL = 0".			"RENV1.INPL = 0".			
	15 SINP 1 :	"RMD.INPL = 1".				"RENV1.INPL = 1".		
	•					-		

Page	Corrected part	Incorrect	Correct	
128	 6.2.1.3 RUR(PRUR): Acceleration rate setting register 3. Partial S-curve acceleration with linear section (RMD.MSMD = 1, RUS> 0) 	Incorrect: RUR= RUR= (RFH - RFL+2×RUS) Correct: RUR= RUR= RUR= RUR= REFERENCE Clock frequency[Hz] × 7 (RFH - RFL+2×RUS)	Acceleration time[s] $5) \times 2$ - 1 - 1 Acceleration time[s] $5) \times 2$ - 1	
186	7-14. ID Monitor	The LSIs in this series have ID codes in order to distinguish them from other LSI products.	This ID monitor is a function to distinguish these LSIs from the previous LSIs that only have parallel-bus interfaces. When you use a serial bus interface, this ID code cannot be read out.	

- End of document -

Revision

Revision	Date	Contents
1st	April 2, 2019	New document.
2nd	-	-
3rd	-	-
4th	September 14, 2021	4-4-4-1. RMD(PRMD), 4-4-7-1. RSTS, and 7-14. ID Monitor are corrected.
4thE1	April 4, 2023	4.4.4.2 RENV1: Environment setting 1 register
		PCSM The fourth line of the table is added.
		6.2.1.3 RUR(PRUR): Acceleration rate setting register
		3. The formula is corrected.