

Introduction		
Content	Name	LINK
Document	Motor Solutions Brochure	<a href="#">Link</a>
	e <sup>2</sup> studio Flyer,	<a href="#">Link</a>
	RL78 Smart Configurator Flyer	<a href="#">Link</a>
	RX Smart Configurator Flyer	<a href="#">Link</a>
	RA Smart Configurator Flyer	<a href="#">Link</a>
	RZ Smart Configurator Flyer	<a href="#">Link</a>
	QE for Motor Flyer	<a href="#">Link</a>
Blog	How to Find the Right Motor Control Development Resources for Your Design	<a href="#">Link</a>
	Easily Evaluate High-Voltage Motor Systems in Your Lab	<a href="#">Link</a>
	How to Achieve High Efficiency and Miniaturization in Motor Applications	<a href="#">Link</a>
	How to Maximize the Lifespan of Electric Motors	<a href="#">Link</a>
Web page	Motor Types	<a href="#">Link</a>
	Motor Control Algorithms	<a href="#">Link</a>
	FAQ (Search results for motor control)	<a href="#">Link</a>
Video	Motor Control Solutions Overview	<a href="#">Link</a>

Device Selection					
Performance	Number of motor axis	Family	Content	Model Name	LINK
Value	1	RL78	Web page	RL78/G24	<a href="#">Link</a>
	1		Web page	RL78/G1F	<a href="#">Link</a>
	1	RX	Web page	RX13T	<a href="#">Link</a>
	1		Web page	RX23T	<a href="#">Link</a>
Performance	2	RX	Web page	RX24T	<a href="#">Link</a>
	2		Web page	RX24U	<a href="#">Link</a>
	2		Web page	RX26T	<a href="#">Link</a>
	4		Web page	RX66T	<a href="#">Link</a>
	4		Web page	RX72M	<a href="#">Link</a>
	4		Web page	RX72T	<a href="#">Link</a>
	1	RA	Web page	RA4T1	<a href="#">Link</a>
	2		Web page	RA6T1	<a href="#">Link</a>
	2		Web page	RA6T2	<a href="#">Link</a>
	1		Web page	RA6T3	<a href="#">Link</a>
2	RH850	Web page	RH850	<a href="#">Link</a>	
High performance	2	RA	Web page	RA8T1	<a href="#">Link</a>
Ultra-high performance	2	RZ	Web page	RZ/T1	<a href="#">Link</a>
	2		Web page	RZ/T2L	<a href="#">Link</a>
	2		Web page	RZ/T2M	<a href="#">Link</a>
	9		Web page	RZ/T2H	<a href="#">Link</a>

Evaluation Kit						
Family Name	Product Name	Board Type	Description	Content	Name	LINK
RL78	RL78/G1F	Low-voltage Inverter Board	Purchase info	Web page	Evaluation System for BLDC Motor	<a href="#">Link</a>
			Setup Design info	Document	Evaluation System for BLDC Motor User's Manual	<a href="#">Link</a>
				Document	Evaluation System for BLDC Motor Schematic	<a href="#">Link</a>
				Document	Evaluation System for BLDC Motor BOM LIST	<a href="#">Link</a>
				Document	Evaluation System for BLDC Motor Pattern Drawing	<a href="#">Link</a>
				Video	Evaluation System for BLDC Motor [Set-up]	<a href="#">Link</a>
				Video	What is Evaluation System for BLDC Motor	<a href="#">Link</a>
				Video	RL78/G1F Sensorless BLDC Motor Control	<a href="#">Link</a>
			Purchase info	Web page	RL78/G1F CPU Card	<a href="#">Link</a>
			CPU Board	Document	RL78/G1F CPU Card User's Manual	<a href="#">Link</a>
	Document	RL78/G1F CPU Card Schematic		<a href="#">Link</a>		
	Document	RL78/G1F CPU Card BOM LIST		<a href="#">Link</a>		
	Document	RL78/G1F CPU Card Pattern Diagram		<a href="#">Link</a>		
	RL78/G24	All In One Kit *Including CPU Board, Inverter Board, and Motor	Purchase info	Web page	RL78/G24 Motor Control Evaluation Kit	<a href="#">Link</a>
			Setup Design info	Document	RL78/G24 Motor Control Evaluation Kit User's Manual	<a href="#">Link</a>
				Document	RL78/G24 Motor Control Evaluation Kit Schematic	<a href="#">Link</a>
				Document	RL78/G24 Motor Control Evaluation Kit BOM LIST	<a href="#">Link</a>
				Video	RL78 Motor Control Solution - How To Drive Sensorless Vector Control (1/2)	<a href="#">Link</a>
				Video	RL78 Motor Control Solution - How To Drive Sensorless Vector Control (2/2)	<a href="#">Link</a>
		CPU Board	Purchase info	Web page	RL78/G24 CPU Card	<a href="#">Link</a>
Design info			Document	RL78/G24 CPU Card Schematic	<a href="#">Link</a>	

Evaluation Kit								
Family Name	Product Name	Board Type	Description	Content	Name	LINK		
RX	RX13T	Low-voltage Inverter Board	Purchase info	Web page	Evaluation System for BLDC Motor	<a href="#">Link</a>		
			Setup Design info	Document	Evaluation System for BLDC Motor User's Manual	<a href="#">Link</a>		
				Document	Evaluation System for BLDC Motor Schematic	<a href="#">Link</a>		
				Document	Evaluation System for BLDC Motor BOM LIST	<a href="#">Link</a>		
				Document	Evaluation System for BLDC Motor Pattern Drawing	<a href="#">Link</a>		
				Video	What is Evaluation System for BLDC Motor	<a href="#">Link</a>		
				Video	Evaluation System for BLDC Motor [Set-up]	<a href="#">Link</a>		
		CPU Board	Purchase info	Web page	RX13T CPU Card	<a href="#">Link</a>		
			Setup Design info	Document	RX13T CPU Card User's Manual	<a href="#">Link</a>		
				Document	RX13T CPU Card Schematic	<a href="#">Link</a>		
				Document	RX13T CPU Card BOM LIST	<a href="#">Link</a>		
				Document	RX13T CPU Card Pattern Diagram	<a href="#">Link</a>		
			RX23T	Low-voltage Inverter Board	Purchase info	Web page	Evaluation System for BLDC Motor	<a href="#">Link</a>
					Setup Design info	Document	Evaluation System for BLDC Motor User's Manual	<a href="#">Link</a>
	Document	Evaluation System for BLDC Motor Schematic				<a href="#">Link</a>		
	Document	Evaluation System for BLDC Motor BOM LIST				<a href="#">Link</a>		
	Document	Evaluation System for BLDC Motor Pattern Drawing				<a href="#">Link</a>		
	Video	What is Evaluation System for BLDC Motor				<a href="#">Link</a>		
	Video	Evaluation System for BLDC Motor [Set-up]				<a href="#">Link</a>		
	CPU Board	Purchase info		Web page	RX23T CPU Card	<a href="#">Link</a>		
		Setup Design info		Document	RX23T CPU Card User's Manual	<a href="#">Link</a>		
				Document	RX23T CPU Card Schematic	<a href="#">Link</a>		
				Document	RX23T CPU Card BOM LIST	<a href="#">Link</a>		
				Document	RX23T CPU Card Pattern Diagram	<a href="#">Link</a>		
		RX24T		Low-voltage Inverter Board	Purchase info	Web page	Evaluation System for BLDC Motor	<a href="#">Link</a>
					Setup Design info	Document	Evaluation System for BLDC Motor User's Manual	<a href="#">Link</a>
	Document		Evaluation System for BLDC Motor Schematic			<a href="#">Link</a>		
	Document		Evaluation System for BLDC Motor BOM LIST			<a href="#">Link</a>		
	Document		Evaluation System for BLDC Motor Pattern Drawing			<a href="#">Link</a>		
	Video		What is Evaluation System for BLDC Motor			<a href="#">Link</a>		
	Video		Evaluation System for BLDC Motor [Set-up]			<a href="#">Link</a>		
	CPU Board		Purchase info	Web page	RX24T CPU Card	<a href="#">Link</a>		
			Setup Design info	Document	RX24T CPU Card User's Manual	<a href="#">Link</a>		
				Document	RX24T CPU Card Schematic	<a href="#">Link</a>		
				Document	RX24T CPU Card BOM LIST	<a href="#">Link</a>		
				Document	RX24T CPU Card Pattern Diagram	<a href="#">Link</a>		
			All In One Kit *Including CPU Board, Inverter Board, and Motor  Including RX24T+RDC-IC CPU Card	Purchase info	Web page	Evaluation System for Stepping Motor with Resolver	<a href="#">Link</a>	
				Setup Design info	Document	Evaluation System for Stepping Motor with Resolver User's Manual	<a href="#">Link</a>	
					Document	Evaluation System for Stepping Motor with Resolver Inverter Board Schematic	<a href="#">Link</a>	
					Document	Evaluation System for Stepping Motor with Resolver Inverter Board BOM LIST	<a href="#">Link</a>	
					Document	Evaluation System for Stepping Motor with Resolver Inverter Board Pattern Drawing	<a href="#">Link</a>	
					Document	Evaluation System for Stepping Motor with Resolver CPU Card Schematic	<a href="#">Link</a>	
	Document				Evaluation System for Stepping Motor with Resolver CPU Card BOM LIST	<a href="#">Link</a>		
	Document				Evaluation System for Stepping Motor with Resolver CPU Card Pattern Diagram	<a href="#">Link</a>		
	Document				Resolver-to-Digital Converters User's Manual: Hardware	<a href="#">Link</a>		
	Document				Guide to Selecting Peripheral Components for Use with the Resolver-to-Digital Converters	<a href="#">Link</a>		
	Document		Usage Notes on Correcting Errors in Angles Detected by the Resolver-to-Digital Converter	<a href="#">Link</a>				
	RX24U		Low-voltage Inverter Board	Purchase info	Web page	Evaluation System for BLDC Motor	<a href="#">Link</a>	
				Setup Design info	Document	Evaluation System for BLDC Motor User's Manual	<a href="#">Link</a>	
					Document	Evaluation System for BLDC Motor Schematic	<a href="#">Link</a>	
					Document	Evaluation System for BLDC Motor BOM LIST	<a href="#">Link</a>	
					Document	Evaluation System for BLDC Motor Pattern Drawing	<a href="#">Link</a>	
Video		What is Evaluation System for BLDC Motor			<a href="#">Link</a>			
Video		Evaluation System for BLDC Motor [Set-up]			<a href="#">Link</a>			
CPU Board		Purchase info	Web page	RX24U CPU Card	<a href="#">Link</a>			
		Setup Design info	Document	RX24U CPU Card User's Manual	<a href="#">Link</a>			
			Document	RX24U CPU Card Schematic	<a href="#">Link</a>			
			Document	RX24U CPU Card BOM LIST	<a href="#">Link</a>			
			Document	RX24U CPU Card Pattern Diagram	<a href="#">Link</a>			

Evaluation Kit								
Family Name	Product Name	Board Type	Description	Content	Name	LINK		
RX	RX66T	Low-voltage Inverter Board	Purchase info	Web page	Evaluation System for BLDC Motor	<a href="#">Link</a>		
			Setup Design info	Document	Evaluation System for BLDC Motor User's Manual	<a href="#">Link</a>		
				Document	Evaluation System for BLDC Motor Schematic	<a href="#">Link</a>		
				Document	Evaluation System for BLDC Motor BOM LIST	<a href="#">Link</a>		
				Document	Evaluation System for BLDC Motor Pattern Drawing	<a href="#">Link</a>		
				Video	What is Evaluation System for BLDC Motor	<a href="#">Link</a>		
				Video	Evaluation System for BLDC Motor [Set-up]	<a href="#">Link</a>		
		CPU Board	Purchase info	Web page	RX66T CPU Card	<a href="#">Link</a>		
			Setup Design info	Document	RX66T CPU Card User's Manual	<a href="#">Link</a>		
				Document	RX66T CPU Card Schematic	<a href="#">Link</a>		
				Document	RX66T CPU Card BOM LIST	<a href="#">Link</a>		
				Document	RX66T CPU Card Pattern Diagram	<a href="#">Link</a>		
			RX72T	Low-voltage Inverter Board	Purchase info	Web page	Evaluation System for BLDC Motor	<a href="#">Link</a>
					Setup Design info	Document	Evaluation System for BLDC Motor User's Manual	<a href="#">Link</a>
	Document	Evaluation System for BLDC Motor Schematic				<a href="#">Link</a>		
	Document	Evaluation System for BLDC Motor BOM LIST				<a href="#">Link</a>		
	Document	Evaluation System for BLDC Motor Pattern Drawing				<a href="#">Link</a>		
	Video	What is Evaluation System for BLDC Motor				<a href="#">Link</a>		
	Video	Evaluation System for BLDC Motor [Set-up]				<a href="#">Link</a>		
	3-Motor Control with 1 MCU	Video		Position Control of 3 Motors With a Single MCU	<a href="#">Link</a>			
	4-Motor Control with 1 MCU	Video		Speed Control of 4 Motors With a Single MCU	<a href="#">Link</a>			
	CPU Board	Purchase info		Web page	RX72T CPU Card	<a href="#">Link</a>		
		Setup Design info		Document	RX72T CPU Card User's Manual	<a href="#">Link</a>		
				Document	RX72T CPU Card Schematic	<a href="#">Link</a>		
				Document	RX72T CPU Card BOM LIST	<a href="#">Link</a>		
				Document	RX72T CPU Card Pattern Diagram	<a href="#">Link</a>		
	RX72M	Low-voltage Inverter Board	Purchase info	Web page	Evaluation System for BLDC Motor	<a href="#">Link</a>		
			Setup Design info	Document	Evaluation System for BLDC Motor User's Manual	<a href="#">Link</a>		
				Document	Evaluation System for BLDC Motor Schematic	<a href="#">Link</a>		
				Document	Evaluation System for BLDC Motor BOM LIST	<a href="#">Link</a>		
				Document	Evaluation System for BLDC Motor Pattern Drawing	<a href="#">Link</a>		
				Video	What is Evaluation System for BLDC Motor	<a href="#">Link</a>		
				Video	Evaluation System for BLDC Motor [Set-up]	<a href="#">Link</a>		
		CPU Board	Purchase info	Web page	RX72M CPU Card with RDC-1C	<a href="#">Link</a>		
			Setup	Document	RX72M CPU Card with RDC-1C User's Manual	<a href="#">Link</a>		
		All In One Kit *Including CPU Board, Inverter Board, and Motor  Including RX24T+RDC-1C CPU Card Need to purchase RX72M+RDC-1C CPU Card separately	Purchase info	Web page	Evaluation System for Stepping Motor with Resolver	<a href="#">Link</a>		
			Setup Design info	Document	Evaluation System for Stepping Motor with Resolver User's Manual	<a href="#">Link</a>		
				Document	Evaluation System for Stepping Motor with Resolver Inverter Board Schematic	<a href="#">Link</a>		
				Document	Evaluation System for Stepping Motor with Resolver Inverter Board BOM LIST	<a href="#">Link</a>		
				Document	Evaluation System for Stepping Motor with Resolver Inverter Board Pattern Drawing	<a href="#">Link</a>		
				Document	Resolver-to-Digital Converters User's Manual: Hardware	<a href="#">Link</a>		
				Document	Guide to Selecting Peripheral Components for Use with the Resolver-to-Digital Converters	<a href="#">Link</a>		
				Document	Usage Notes on Correcting Errors in Angles Detected by the Resolver-to-Digital Converter	<a href="#">Link</a>		
		RX26T	All In One Kit *Including CPU Board, Inverter Board, and Motor	Purchase info	Web page	MCK-RX26T	<a href="#">Link</a>	
				Setup Design info	Document	MCK-RX26T User's Manual	<a href="#">Link</a>	
					Document	MCK-RX26T Quick Start Guide	<a href="#">Link</a>	
					Document	MCK-RX26T Design Package	<a href="#">Link</a>	
			Low-voltage Inverter Board	Purchase info	Web page	MCI-LV-1	<a href="#">Link</a>	
	Setup Design info			Document	MCI-LV-1 User's Manual	<a href="#">Link</a>		
				Document	MCI-LV-1 Design Package	<a href="#">Link</a>		
	CPU Board		Purchase info	Web page	MCB-RX26T Type A	<a href="#">Link</a>		
			Setup Design info	Document	MCB-RX26T Type A User's Manual	<a href="#">Link</a>		
Document				MCB-RX26T Type A Design Package	<a href="#">Link</a>			
Purchase info			Web page	MCB-RX26T Type B	<a href="#">Link</a>			
Setup Design info			Document	MCB-RX26T Type B User's Manual	<a href="#">Link</a>			
			Document	MCB-RX26T Type B Design Package	<a href="#">Link</a>			
Purchase info			Web page	MCB-RX26T Type C	<a href="#">Link</a>			
Setup Design info			Document	MCB-RX26T Type C User's Manual	<a href="#">Link</a>			
	Document	MCB-RX26T Type C Design Package	<a href="#">Link</a>					
Communication Board	Purchase info	Web page	MC-COM	<a href="#">Link</a>				
	Setup Design info	Document	MC-COM User's Manual	<a href="#">Link</a>				
		Document	MC-COM Design Package	<a href="#">Link</a>				

Evaluation Kit							
Family Name	Product Name	Board Type	Description	Content	Name	LINK	
RA	RA6T1	All In One Kit *Including CPU Board, Inverter Board, and Motor	Purchase info	Web page	Motor Control Evaluation System for RA Family - RA6T1 Group	<a href="#">Link</a>	
			Setup Design info	Document	Motor Control Evaluation System for RA Family User's Manual	<a href="#">Link</a>	
				Document	Motor Control Evaluation System for RA Family Quick Start Guide	<a href="#">Link</a>	
				Document	Motor Control Evaluation System for RA Family Design Package	<a href="#">Link</a>	
				Document	RSSK-RA6T1 Example Project Bundle	<a href="#">Link</a>	
				Video	RA6T1 Motor Control Evaluation System Introduction	<a href="#">Link</a>	
				Video	RA6T1 Motor Control Evaluation System Setup	<a href="#">Link</a>	
			Video	RA6T1 120MHz Arm® Cortex®-M4, RA6 Group ASSP for Motor Control	<a href="#">Link</a>		
			Low-voltage Inverter Board	Purchase info	Web page	Evaluation System for BLDC Motor	<a href="#">Link</a>
		Setup Design info		Document	Evaluation System for BLDC Motor User's Manual	<a href="#">Link</a>	
				Document	Evaluation System for BLDC Motor Schematic	<a href="#">Link</a>	
				Document	Evaluation System for BLDC Motor BOM LIST	<a href="#">Link</a>	
				Document	Evaluation System for BLDC Motor Pattern Drawing	<a href="#">Link</a>	
				Video	What is Evaluation System for BLDC Motor	<a href="#">Link</a>	
		Video	Evaluation System for BLDC Motor [Set-up]	<a href="#">Link</a>			
		CPU Board	Purchase info	Web page	RA6T1 CPU Card	<a href="#">Link</a>	
			Setup Design info	Document	RA6T1 CPU Card User's Manual	<a href="#">Link</a>	
				Document	RA6T1 CPU Card Quick Start Guide	<a href="#">Link</a>	
	Document			RA6T1 CPU Card Schematic	<a href="#">Link</a>		
	Document			RA6T1 CPU Card BOM LIST	<a href="#">Link</a>		
	RA6T2	All In One Kit *Including CPU Board, Inverter Board, and Motor	Purchase info	Web page	MCK RA6T2	<a href="#">Link</a>	
			Setup Design info	Document	MCK RA6T2 User's Manual	<a href="#">Link</a>	
				Document	MCK RA6T2 Quick Start Guide	<a href="#">Link</a>	
				Document	MCK RA6T2 Example Project Bundle	<a href="#">Link</a>	
				Document	MCK RA6T2 Design Package	<a href="#">Link</a>	
				Video	Introduction of Flexible Motor Control Kit for RA6T2 (MCK-RA6T2)	<a href="#">Link</a>	
				Video	Setup Procedure of Flexible Motor Control Kit for RA6T2 (MCK-RA6T2)	<a href="#">Link</a>	
			Video	RA6T2 Evaluation Environment for BLDC Motor with Inductive Position Sensor IC	<a href="#">Link</a>		
			Video	Embedded AI TinyML-based Sensorless Predictive Maintenance for Electric Motor Systems	<a href="#">Link</a>		
			Low-voltage Inverter Board	Purchase info	Web page	MCI-LV-1	<a href="#">Link</a>
				Setup Design info	Document	MCI-LV-1 User's Manual	<a href="#">Link</a>
					Document	MCI-LV-1 Design Package	<a href="#">Link</a>
		High-voltage Inverter Board		Purchase info	Web page	MCI-HV-1	<a href="#">Link</a>
			Setup Design info	Document	MCI-HV-1 User's Manual	<a href="#">Link</a>	
				Document	MCI-HV-1 Design Package	<a href="#">Link</a>	
				Video	MCI-HV-1 Renesas Flexible Motor Control Inverter Board for 100V/200V Three-Phase BLDC/Induction Motor	<a href="#">Link</a>	
		CPU Board	Purchase info	Web page	MCB-RA6T2	<a href="#">Link</a>	
			Setup Design info	Document	MCB-RA6T2 User's Manual	<a href="#">Link</a>	
				Document	MCB-RA6T2 Design Package	<a href="#">Link</a>	
				Video	Renesas' RA6T2 Group MCUs	<a href="#">Link</a>	
		Communication Board	Purchase info	Web page	MC-COM	<a href="#">Link</a>	
			Setup Design info	Document	MC-COM User's Manual	<a href="#">Link</a>	
Document				MC-COM Design Package	<a href="#">Link</a>		

Evaluation Kit							
Family Name	Product Name	Board Type	Description	Content	Name	LINK	
RA	RA6T3	All In One Kit *Including CPU Board, Inverter Board, and Motor	Purchase info	Web page	MCK-RA6T3	<a href="#">Link</a>	
			Setup Design info	Document	MCK-RA6T3 User's Manual	<a href="#">Link</a>	
				Document	MCK-RA6T3 Quick Start Guide	<a href="#">Link</a>	
				Document	MCK-RA6T3 Example Project Bundle	<a href="#">Link</a>	
				Document	MCK-RA6T3 Design Package	<a href="#">Link</a>	
				Video	RA6T3 200MHz Arm® Cortex®-M33 Motor Control Microcontroller	<a href="#">Link</a>	
		Low-voltage Inverter Board	Purchase info	Web page	MCI-LV-1	<a href="#">Link</a>	
			Setup Design info	Document	MCI-LV-1 User's Manual	<a href="#">Link</a>	
				Document	MCI-LV-1 Design Package	<a href="#">Link</a>	
		CPU Board	Purchase info	Web page	MCB-RA6T3	<a href="#">Link</a>	
			Setup Design info	Document	MCB-RA6T3 User's Manual	<a href="#">Link</a>	
				Document	MCB-RA6T3 Design Package	<a href="#">Link</a>	
		Communication Board	Purchase info	Web page	MC-COM	<a href="#">Link</a>	
			Setup Design info	Document	MC-COM User's Manual	<a href="#">Link</a>	
				Document	MC-COM Design Package	<a href="#">Link</a>	
		RA4T1	All In One Kit *Including CPU Board, Inverter Board, and Motor	Purchase info	Web page	MCK-RA4T1	<a href="#">Link</a>
				Setup Design info	Document	MCK-RA4T1 User's Manual	<a href="#">Link</a>
					Document	MCK-RA4T1 Quick Start Guide	<a href="#">Link</a>
	Document				MCK-RA4T1 Example Project Bundle	<a href="#">Link</a>	
	Document				MCK-RA4T1 Design Package	<a href="#">Link</a>	
	Video				RA4T1 100MHz Arm® Cortex®-M33 Motor Control Microcontroller	<a href="#">Link</a>	
	Low-voltage Inverter Board		Purchase info	Web page	MCI-LV-1	<a href="#">Link</a>	
			Setup Design info	Document	MCI-LV-1 User's Manual	<a href="#">Link</a>	
				Document	MCI-LV-1 Design Package	<a href="#">Link</a>	
	CPU Board		Purchase info	Web page	MCB-RA4T1	<a href="#">Link</a>	
			Setup Design info	Document	MCB-RA4T1 User's Manual	<a href="#">Link</a>	
				Document	MCB-RA4T1 Design Package	<a href="#">Link</a>	
	Communication Board		Purchase info	Web page	MC-COM	<a href="#">Link</a>	
			Setup Design info	Document	MC-COM User's Manual	<a href="#">Link</a>	
				Document	MC-COM Design Package	<a href="#">Link</a>	
	RA8T1		All In One Kit *Including CPU Board, Inverter Board, and Motor	Purchase info	Web page	MCK-RA8T1	<a href="#">Link</a>
				Setup Design info	Document	MCK-RA8T1 User's Manual	<a href="#">Link</a>
					Document	MCK-RA8T1 Quick Start Guide	<a href="#">Link</a>
		Document			MCK-RA8T1 Quick Design Guide	<a href="#">Link</a>	
		Document			MCK-RA8T1 Example Project Bundle	<a href="#">Link</a>	
		Document			MCK-RA8T1 Design Package	<a href="#">Link</a>	
		Video	RA8T1, 480 MHz, Arm Cortex-M85 Core Based MCU with Helium™ and TrustZone® for Motor Control	<a href="#">Link</a>			
		Low-voltage Inverter Board	Purchase info	Web page	MCI-LV-1	<a href="#">Link</a>	
			Setup Design info	Document	MCI-LV-1 User's Manual	<a href="#">Link</a>	
				Document	MCI-LV-1 Design Package	<a href="#">Link</a>	
		CPU Board	Purchase info	Web page	MCB-RA8T1	<a href="#">Link</a>	
			Setup Design info	Document	MCB-RA8T1 User's Manual	<a href="#">Link</a>	
Document				MCB-RA8T1 Design Package	<a href="#">Link</a>		
Communication Board		Purchase info	Web page	MC-COM	<a href="#">Link</a>		
		Setup Design info	Document	MC-COM User's Manual	<a href="#">Link</a>		
			Document	MC-COM Design Package	<a href="#">Link</a>		

Evaluation Kit								
Family Name	Product Name	Board Type	Description	Content	Name	LINK		
RZ	RZ/T2M	All In One Kit (DC24V ver.) * Including CPU Board, Inverter Board, and Motor	Purchase info	Web page	RZ/T2M Motor Solution Kit (DC 24V ver.)	<a href="#">Link</a>		
			Setup Design info	Document	RZ/T2M Motor Solution Kit Hardware Manual	<a href="#">Link</a>		
				Document	RZ/T2M Motor Solution Kit Startup Guide	<a href="#">Link</a>		
				Video	Introduction of RZ/T2M Motor Solution Kit	<a href="#">Link</a>		
				Video	Writing Non FuSa Firmware with CiA402 for RZT2M motor solution kit	<a href="#">Link</a>		
				Video	Writing FuSa Firmware for RZT2M motor solution kit	<a href="#">Link</a>		
				Video	Writing FuSa Firmware with CiA402 for RZT2M motor solution kit	<a href="#">Link</a>		
				Video	Writing FuSa Firmware for RZT2M motor solution kit	<a href="#">Link</a>		
				Video	Prepare for TwinCAT(CiA402) with RZ/T2M Motor Solution Kit	<a href="#">Link</a>		
				Video	FSoE Communication with RZ/T2M Motor Solution Kit	<a href="#">Link</a>		
				Video	CiA402 with RZ/T2M Motor Solution Kit using FuSa FW	<a href="#">Link</a>		
				Video	CiA402 with RZ/T2M Motor Solution Kit using Non FuSa FW	<a href="#">Link</a>		
				Video	Motion Utility with RZ/T2M Motor Solution Kit	<a href="#">Link</a>		
				Video	Safe torque off Demonstration with RZ/T2M Motor Solution Kit	<a href="#">Link</a>		
				RZ/T2L	All In One Kit (AC220V ver.) * Including CPU Board, Inverter Board, and Motor	Purchase info	Web page	RZ/T2M,RZ/T2L,RZ/N2L Motor Solution Kit (AC 220V ver.)
			Setup Design info			Document	Motor Solution Kit Board Manual (for RZ/T2M, RZ/N2L)	<a href="#">Link</a>
						Document	Motor Solution Kit Startup Guide (for Motion Control Utility)	<a href="#">Link</a>
						Document	Motor Solution Kit Startup Guide (for EtherCAT)	<a href="#">Link</a>
						Document	Motor Solution Kit Inverter Board Manual	<a href="#">Link</a>
	Document	Motor Solution Kit Firmware Manual				<a href="#">Link</a>		
	Document	Motor Solution Kit Design Package	<a href="#">Link</a>					
	RZ/T2L	All In One Kit * Including CPU Board, Inverter Board, and Motor	Purchase info	Web page	RZ/T2M,RZ/T2L,RZ/N2L Motor Solution Kit (AC 220V ver.)	<a href="#">Link</a>		
			Setup Design info	Web page	Motor Solution Kit Board Manual (for RZ/T2L)	<a href="#">Link</a>		
				Document	Motor Solution Kit Startup Guide (for Motion Control Utility)	<a href="#">Link</a>		
				Document	Motor Solution Kit Startup Guide (for EtherCAT)	<a href="#">Link</a>		
				Document	Motor Solution Kit Inverter Board Manual	<a href="#">Link</a>		
				Document	Motor Solution Kit Firmware Manual	<a href="#">Link</a>		
				Document	Motor Solution Kit Design Package	<a href="#">Link</a>		
			RZ/T2H	Low-voltage Inverter Board	Purchase info	Web page	RZ/T Series Inverter Board Kit	<a href="#">Link</a>
					Setup Design info	Document	RZ/T Series Inverter Board Kit User's Manual	<a href="#">Link</a>
						Document	INVB-LV-RZT-I Design Package	<a href="#">Link</a>
					CPU Board	Purchase info	Web page	RZ/T2H Evaluation Board Kit
	Setup Design info	Document				RZ/T2H Evaluation Board Kit User's Manual	<a href="#">Link</a>	
		Document		RZ/T2H Evaluation Board Kit How to use Mbed TLS		<a href="#">Link</a>		
		Document		RZ/T2H Evaluation Board Kit Startup Guide (for RZ/T2H Motion Control Utility)		<a href="#">Link</a>		
		Document		RZ/T2H Evaluation Board Kit Quick Start Guide: Firmware Update		<a href="#">Link</a>		
		Document		RZ/T2H Evaluation Board Kit Device Setup Guide for Flash boot	<a href="#">Link</a>			
		Document		RZ/T2H Evaluation Board Kit Quick Start Guide	<a href="#">Link</a>			
		Document	RZ/T2H Evaluation Board Kit Design Package	<a href="#">Link</a>				
	Video	RZ/T2H 9-axis motor control demo	<a href="#">Link</a>					
	Video	RZ/T2H - OpenAMP Overview and Core-to-Core Communication	<a href="#">Link</a>					
	BUS Board Optional Board for Inverter Board expansion	Purchase info	Web page	Bus Board for RZ/T2H	<a href="#">Link</a>			
		Setup Design info	Document	Bus Board for RZ/T2H User's Manual	<a href="#">Link</a>			
			Document	BUSB-RZT2H-B Design Package	<a href="#">Link</a>			

Sample Code

RL78 Family

Motor Control Sample Code	RL78G1F	RL78/G24
Sensorless 120-deg conducting control	✓	✓
Sensorless vector control	—	✓

RX Family

Motor Control Sample Code	RX13T	RX23T	RX24T	RX24U	RX66T	RX72T	RX72M	RX26T
120-deg conducting control with hall sensor	—	✓	✓	—	—	—	—	—
Sensorless 120-deg conducting control	✓	✓	✓	✓	—	—	—	—
1-shunt sensorless vector control	—	—	✓	✓	✓	✓	✓	✓
Sensorless vector control	✓	✓	✓	✓	✓	✓	✓	✓
Sensorless vector control - 2-motor drive	—	—	—	✓	✓	—	—	✓
Encoder vector control - 3-motor drive	—	—	—	—	—	✓	—	—
Sensorless vector control - 4-motor drive	—	—	—	—	—	✓	—	—
Hall sensor vector control	—	—	—	—	—	—	—	✓
Encoder vector control	✓	✓	✓	✓	✓	✓	✓	✓
Vector control for 2-phase stepping motor with resolver	—	—	✓	—	✓	✓	✓	—
Magnetic sensor vector control	✓	✓	✓	✓	✓	✓	✓	—
Inductive sensor vector control	✓	✓	✓	✓	✓	✓	✓	—
Sensorless Vector Control for IPMSM over the Whole Speed Range	—	—	—	—	✓	—	—	✓
Resolver control driver	—	✓	✓	—	✓	✓	✓	—
Servo control (For RMW)*1	—	—	✓	—	✓	✓	✓	—

\*1: Inertia estimation and origin return function added to the position control software using RX MCUs

## RA Family

Motor Control Sample Code	RA6T1	RA6T2 MCI-LV-1	RA6T2 MCI-HV-1	RA6T3	RA4T1	RA8T1
120-deg conducting control with hall sensor	✓	✓	—	✓	✓	✓
Sensorless 120-deg conducting control	✓	✓	—	✓	✓	✓
1-shunt sensorless vector control	✓	✓	—	✓	✓	✓
Sensorless vector control	✓	✓	✓	✓	✓	✓
Sensorless vector control - 2-motor drive	✓	✓	—	—	—	✓
Hall sensor vector control	—	✓	—	✓	✓	✓
Encoder vector control	✓	✓	—	✓	✓	✓
Inductive sensor vector control	—	✓	—	✓	✓	✓
Sensorless Vector Control for IPMSM over the Whole Speed Range	—	—	✓	—	—	—
Servo control (For RMW)*1	✓	✓	—	—	—	—

\*1: Inertia estimation and origin return function added to the position control software using RA MCUs

## RZ Family

Motor Control Sample Code	RZ/T2M (DC24V ver.)	RZ/T2M (AC220V ver.)	RZ/T2L	RZ/N2L	RZ/T2H
Motor Control Sample Code	✓	✓	✓	✓	✓



Tools & Software					
Family	Environment/Tool Type	Description	Content	Name	LINK
Common	Integrated Development Environment	Free Download	Web page	e2 studio	<a href="#">Link</a>
		Setup	Video	e2 studio Quick Start Guide - Install e2 studio and CC-RL Compiler on Linux	<a href="#">Link</a>
			Video	Renesas Emulator Selection Guide for RX	<a href="#">Link</a>
			Video	e2 studio Quick Start Guide - Install e2 studio and CC-RX Compiler on Linux	<a href="#">Link</a>
			Video	e2 studio Quick Start Guide - Installation for RA Family on macOS	<a href="#">Link</a>
			Video	e2 studio on Linux - Install e2 studio and GNU Arm Embedded for RA	<a href="#">Link</a>
			Video	e2 studio Quick Start Guide - FSP for RZ on Separate Installer	<a href="#">Link</a>
			Video	e2 studio Quick Start Guide - FSP for RZ for Platform Installer	<a href="#">Link</a>
			Video	e2 studio on Linux Quick Start Guide - Install e2 studio and ARM GNU for RZ Family	<a href="#">Link</a>
			Video	Reality AI / e2 studio Integration Overview Video	<a href="#">Link</a>
			Video	Introducing the Installer with Simplified Operation from e2 studio 2023-07	<a href="#">Link</a>
			Video	e2 studio Tips - How to change the device in the project	<a href="#">Link</a>
			Video	e2 studio Tips - How to import CS+ for CA, CX Project	<a href="#">Link</a>
			Video	e2 studio Tips - How to import CS+ for CC Project	<a href="#">Link</a>
			Video	e2 studio Tips - How to Save the Build Log and Set the Number of Lines to Display	<a href="#">Link</a>
			Video	e2 studio Tips - How to Manage Source Code Versions (Using EGit)	<a href="#">Link</a>
		Video	e2 studio Tips - GUI Window to Look At if You Don't Know How to Operate It	<a href="#">Link</a>	
	Motor Tuning	Free Download	Web page	Renesas Motor Workbench	<a href="#">Link</a>
		Setup	Document	Renesas Motor Workbench User's Manual	<a href="#">Link</a>
			Document	Renesas Motor Workbench Quick Start Guide	<a href="#">Link</a>
			Document	Renesas Motor Workbench DLL for Communication Function Manual	<a href="#">Link</a>
			Video	(1) Renesas Motor Workbench [Set-up]	<a href="#">Link</a>
			Video	(2) Evaluation System for BLDC Motor [Set-up]	<a href="#">Link</a>
			Video	(3) Motor Control Software [Download]	<a href="#">Link</a>
			Video	(4) Renesas Motor Workbench Analyzer [Basic]	<a href="#">Link</a>
			Video	(5) Renesas Motor Workbench Tuner [Basic]	<a href="#">Link</a>
			Video	(6) Renesas Motor Workbench Analyzer+Tuner [Application]	<a href="#">Link</a>
			Video	(7) Renesas Motor Workbench Analyzer Math function	<a href="#">Link</a>
			Video	(8) Renesas Motor Workbench Analyzer Status Indicator	<a href="#">Link</a>
			Video	(9) Renesas Motor Workbench Analyzer Increase the number of waveform display candidate channels	<a href="#">Link</a>
			Video	(10) Renesas Motor Workbench Analyzer Alias Name	<a href="#">Link</a>
			Video	(11) Renesas Motor Workbench Analyzer USER BUTTON	<a href="#">Link</a>
			Video	(12) Renesas Motor Workbench Analyzer COMMANDER	<a href="#">Link</a>
Video	(13) Renesas Motor Workbench Analyzer ONE SHOT	<a href="#">Link</a>			
Video	(14) Renesas Motor Workbench Analyzer Navigation	<a href="#">Link</a>			
Video	(15) Renesas Motor Workbench Analyzer Parameter Output	<a href="#">Link</a>			
Video	(16) Renesas Motor Workbench Analyzer Variable Meaning	<a href="#">Link</a>			
Video	(17) Renesas Motor Workbench Servo Function	<a href="#">Link</a>			
Video	(18) Renesas Motor Workbench Easy GUI	<a href="#">Link</a>			

Tools & Software						
Family	Environment/Tool Type	Description	Content	Name	LINK	
RL78	Code Generation Support Tool	Free Download	Web page	RL78 Smart Configurator	<a href="#">Link</a>	
		Setup	Document	RL78 Smart Configurator User's Manual: RL78 API Reference	<a href="#">Link</a>	
			Document	RL78 Smart Configurator User's Guide: CS+	<a href="#">Link</a>	
			Document	RL78 Smart Configurator User's Guide: e2 studio	<a href="#">Link</a>	
			Document	RL78 Smart Configurator User's Guide: IAREW	<a href="#">Link</a>	
			Document	RL78 Smart Configurator Project Porting Procedure for CS and e2 studio	<a href="#">Link</a>	
			Document	Porting projects produced with the Code Generator to projects for use with the Smart Configurator	<a href="#">Link</a>	
			Video	Introduction of Smart Configurator for RL78 Family	<a href="#">Link</a>	
			Video	e2 studio Quick Start Guide (2/3) - Project Generation for RL78	<a href="#">Link</a>	
			Video	e2 studio Quick Start Guide (3/3) - Build and Debug for RL78	<a href="#">Link</a>	
			Video	How to Create a Smart Configurator Project in e2 studio	<a href="#">Link</a>	
			Video	How to Create a UART Communication Project Using Smart Configurator in e2 studio	<a href="#">Link</a>	
			Video	How to Use Flexible Application Accelerator (FAA) in e2 studio	<a href="#">Link</a>	
			Video	How to Use Symbolic Name with Smart Configurator	<a href="#">Link</a>	
			Video	Smart Configurator Feature - How to generate HEX values for Code Generator drivers	<a href="#">Link</a>	
			Video	Smart Configurator Feature - Easy Transfer of Component Settings from One Project to Another	<a href="#">Link</a>	
			Video	Using Smart Configurator with IAR Embedded Workbench for RL78 (2/2) - Creating an EWB Project for Smart Configurator	<a href="#">Link</a>	
			Video	Easy Coding in e2 studio With the Smart Configurator Developer Assistance Feature	<a href="#">Link</a>	
			Video	SNOOZE Mode Sequencer (SMS) Tutorial - Import SMS LED Blinking Dimming Control Project	<a href="#">Link</a>	
			Video	How To Migrate From Code Generator Project to Smart Configurator Project	<a href="#">Link</a>	
			Video	How to Use the User Code Protection Feature in Smart Configurator	<a href="#">Link</a>	
		Video	How To Use Smart Configurator - Walkthrough the Settings of Clocks and Components	<a href="#">Link</a>		
		Video	How to Create a Blinky Project with Smart Configurator on e2 studio	<a href="#">Link</a>		
		Video	How to Use CAN/LIN with Smart Configurator on e2 studio	<a href="#">Link</a>		
		Video	How to Create a LIN Project with Smart Configurator on e2 studio	<a href="#">Link</a>		
		Development Support Tool	Free Download	Web page	QE for Motor (for RL78/G24,RL78/G1F)	<a href="#">Link</a>
			Setup	Video	Motor Solution - QE for Motor Provides a Seamless Environment for More Efficient Development	<a href="#">Link</a>
	Video			QE for Motor Tutorial: Importing Sample Project	<a href="#">Link</a>	
	RX	HAL Driver	Free Download	Web page	FIT	<a href="#">Link</a>
			Setup	Document	FIT User's Manual	<a href="#">Link</a>
				Document	FIT Board Support Package Module	<a href="#">Link</a>
				Document	Guide for Porting the FIT Project to the Other RX Family	<a href="#">Link</a>
				Document	Manually Importing Firmware Integration Technology Modules	<a href="#">Link</a>
Code Generation Support Tool		Free Download	Web page	RX Smart Configurator	<a href="#">Link</a>	
		Setup	Document	RX Smart Configurator User's Guide: CS+	<a href="#">Link</a>	
			Document	RX Smart Configurator User's Guide: e2 studio	<a href="#">Link</a>	
Document			RX Smart Configurator User's Guide: IAREW	<a href="#">Link</a>		
Development Support Tool		Free Download	Web page	QE for Motor (for RX26T only)	<a href="#">Link</a>	
		Setup	Document	QE for Motor Application Development Guide	<a href="#">Link</a>	
			Video	Motor Solution - QE for Motor Provides a Seamless Environment for More Efficient Development	<a href="#">Link</a>	
			Video	QE for Motor Tutorial: Importing Sample Project	<a href="#">Link</a>	
Video			QE for Motor Tutorial: Motor Control Software Configuration for RX Family	<a href="#">Link</a>		

Tools & Software					
Family	Environment/Tool Type	Description	Content	Name	LINK
RA	HAL Driver	Free Download	Web page	FSP	<a href="#">Link</a>
		Setup	Document	FSP User's Manual	<a href="#">Link</a>
			Document	FSP User's Manual (Web Version - HTML)	<a href="#">Link</a>
			Video	Renesas RA Family Partner Ecosystem Overview	<a href="#">Link</a>
			Video	Introducing the Renesas RA Family of 32-Bit Microcontrollers	<a href="#">Link</a>
			Video	Evaluation System for BLDC Motor Pattern Drawing	<a href="#">Link</a>
			Video	Generating Your First RA FSP Project	<a href="#">Link</a>
			Video	Generating a Simple RA FSP Project with Keil MDK	<a href="#">Link</a>
			Video	e <sup>2</sup> studio Tips - How to Import Example Project in e <sup>2</sup> studio for RA	<a href="#">Link</a>
			Video	Tips - How to Import Example Project in IAR EWARM for RA	<a href="#">Link</a>
	Video	Tips - How to import example project in Arm Keil MDK for RA	<a href="#">Link</a>		
	Code Generation Support Tool	Free Download	Web page	RA Smart Configurator	<a href="#">Link</a>
		Setup	Video	Generating an RA Secure Project for IAR Embedded Workbench	<a href="#">Link</a>
			Video	Generating an RA Non-secure Project for IAR Embedded Workbench	<a href="#">Link</a>
			Video	Generating a Simple RA FSP Project with Keil MDK	<a href="#">Link</a>
			Video	Tips - How to Import Example Project in IAR EWARM for RA	<a href="#">Link</a>
			Video	Tips - How to import example project in Arm Keil MDK for RA	<a href="#">Link</a>
	Development Support Tool	Free Download	Web page	QE for Motor (for RA4T1,RA6T1,RA6T2,RA6T3,RA8T1)	<a href="#">Link</a>
		Setup	Document	QE for Motor Application Development Guide	<a href="#">Link</a>
			Video	Motor Solution - QE for Motor Provides a Seamless Environment for More Efficient Development	<a href="#">Link</a>
Video			QE for Motor Tutorial: Importing Sample Project	<a href="#">Link</a>	
Video			QE for Motor Tutorial: Motor Control Software Configuration for RA Family	<a href="#">Link</a>	
RZ	HAL Driver	Free Download	Web page	FSP	<a href="#">Link</a>
	Code Generation Support Tool	Free Download	Web page	RZ Smart Configurator	<a href="#">Link</a>
		Setup	Document	RZ Smart Configurator User's Guide: e <sup>2</sup> studio	<a href="#">Link</a>
			Document	RZ Smart Configurator Application Examples: CMT, A/D, SCI, DMA, USB	<a href="#">Link</a>
			Document	RZ Smart Configurator: Using Board Description File (bdf)	<a href="#">Link</a>
			Video	Introduction of Smart Configurator for RZ Family	<a href="#">Link</a>
			Reference Design		
Description		Content	Name	LINK	
Resolver Solution		Web page	Resolver Motor Control Solutions for Consumer and Industrial Applications	<a href="#">Link</a>	
		Document	Reference Guide for a 2-Axis Robot Arm with 2-Phase Stepping Motors Incorporating Resolvers	<a href="#">Link</a>	
		Document	Guide to Selecting Peripheral Components for Use with the Resolver-to-Digital Converters	<a href="#">Link</a>	
		Document	Usage Notes on Correcting Errors in Angles Detected by the Resolver-to-Digital Converter	<a href="#">Link</a>	
		Video	New-Born Resolver/Digital Converter - High Precision Positioning Solution	<a href="#">Link</a>	
		Video	Position Control with Resolver Solution	<a href="#">Link</a>	
		Video	PTZ Security Camera - Renesas resolver solution demonstration	<a href="#">Link</a>	
		Video	Demonstration of thrust type return to origin	<a href="#">Link</a>	
Induction Motor Solution		Web page	Three-Phase Induction Motor Solution	<a href="#">Link</a>	
Magnetic Encoder Solution		Web page	Motor Solution Using a Magnetic Encoder	<a href="#">Link</a>	
BLDC Motor Solution		Web page	Brushless DC Motor Solution - Permanent Magnet Synchronous Motor	<a href="#">Link</a>	
3-Level Inverter		Web page	Evaluation System for BLDC Motor Pattern Drawing	<a href="#">Link</a>	
Whole Speed Range Sensorless		Web page	Whole Speed Range Sensorless Motor Solution	<a href="#">Link</a>	
Application Examples					
Description		Content	Name	LINK	
Application Examples		Web page	Application Examples (Motor Drives & Robotics Application)	<a href="#">Link</a>	