

TR4114/T/H/HT
SCHEMATIC SECTION

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
ATT1	DAT-000717-1	TSA45B1-2	Attenuator
IC1	SIA-7805U-5	UPC7805H	IC: Voltage Regulator
R1	RVR-AT20K-1	M-2210-20KΩ	R: Potentiometer 20kΩ
R2	RVR-AF2K-1	M-2205-2KΩ	R: Potentiometer 2kΩ
R3	RVR-BL10K-1	RV16YN15SB10KΩ	R: VAR CERMET 10kΩ
R4	RVR-BA20K-1	X13B20KΩ	R: VAR WW 20kΩ
R5	RVR-BL10K-1	RV16YN15SB10KΩ	R: VAR CERMET 10kΩ
R6	RVR-BV500-1	RV16YN15SB500ΩME	R: VAR CERMET 500Ω
R7			Not assigned
C1	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C2	CCK-AA330U25V-1	25T330	C: FXD ELECT 330μF 25V
C3	CCK-AA330U25V-1	25T330	C: FXD ELECT 330μF 25V
C4	CSM-AGR1U50V	FD76AF1H104Z	C: FXD CER 0.1μF +80, -20% 50V
C5	CSM-AGR1U50V	FD76AF1H104Z	C: FXD CER 0.1μF +80, -20% 50V
J1	JCB-AD060JX01-1	PBR5-60-A1	Connector
J2	JCB-AD060JX01-1	PBR5-60-A1	Connector
J3	JCS-AC050PX01-1	57-10500	Connector
J4 thru J6		POA-LPJ-196	Coaxial Connector
J7 thru J9	JCF-AC001PX01-2	UM-QLP-1.5(01)	Coaxial Connector
J10 thru J13	DCB-ST0489-1	TOC-1A06030T	Connector with Cable
J14	DCB-ST0496-1	TOC-1A12060T	Connector with Cable
J15	JCS-AD010JX01-1	PCN6-10S-2.5E	Connector
J16	DCB-ST0494-1	TOC-1A12030T	Connector with Cable
J17	JCS-AD010JX01-1	PCN6-10S-2.5E	Connector
P1	JTT-AA010EX01-1	SCT-10L5NU1	Terminal
P2	JTT-AA010EX01-1	SCT-10L5NU1	Terminal
S1	KSR-000226-1	YSNH-169	Rotary Switch
S2	KSL-000034-1	MFS-201N6	Slide Switch
S3			Not assigned
S4	KSL-000034-1	MFS-201N6	Slide Switch
S5	KSV-000028-1	LS19P-1-2-4	Lever Switch
S6	KSL-000142-1	SL83-7H10-2-3	Slide Switch
S7	KSL-000034-1	MFS-201N6	Slide Switch
S8	KSL-000034-1	MFS-201N6	Slide Switch

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Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
J1 thru J4	JCF-AC001JX02-2	UM-QR(01)	UM Connector
J5	JCF-AA001JX06-1	HRM-305	SMA Connector
J6	JCF-AC001JX02-2	UM-QR(01)	UM Connector
C1 thru C5	CFT-AD1000P50V-1	DF553F102P50V06	C: FXD Feed-through 1000pF +100, -0% 50V

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Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
IC1		LM301AH	IC: Operational Amplifier
Q11	STN-2SC2026-1	2SC2026	Transistor SI NPN
Q12	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
Q13	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
Q14	STN-2SC2025-1	2SC2026	Transistor SI NPN
Q15	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
Q16	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
Q17	STN-2SC1275-1	2SC1275	Transistor SI NPN
Q18	SFN-3SK74-1	3SK74	FET Junction C-Channel
Q19	STN-2SC1275-1	2SC1275	Transistor SI NPN
Q20	STN-2SC1275-1	2SC1275	Transistor SI NPN
Q21	STN-2SC1426 1	2SC1426	Transistor SI NPN
Q22	STN-2SC1426-1	2SC1426	Transistor SI NPN
Q23	STN-2SC2026-1	2SC2026	Transistor SI NPN
Q24	STP-2SA800-1	2SA800	Transistor SI PNP
Q25 thru Q34	STN-2SC2026-1	2SC2026	Transistor SI NPN
D41 thru D44	SDS-1S2222-1	1S2222	Diode SI
D45 thru D48	SDS-1SS97-1	1SS97	Diode SI
D49	SDS-1S1765-1	1S1765	Diode SI
D50 thru D53	SDS-1SS97-1	1SS97	Diode SI
D54	SDS-1SV34-1	1SV34	Diode SI
D55	SDS-1SV34-1	1SV34	Diode SI
D56 thru D59	SDS-1SS97-1	1SS97	Diode SI
D60	SDS-LD1-1	LD-1	Diode SI
D61	SDS-1S953-1	1S953	Diode SI
D62	SDS-1SS99-1	1SS99	Diode SI
D63	SDS-1SS99-1	1SS99	Diode SI
D64	SDZ-W110-1	WZ-110	Zener Diode
D65 thru D67	SDS-1S953-1	1S953	Diode SI
R71	RCB-AG6R8K-1	RD12S6.8KΩJ	R: FXD CAR 6.8kΩ ±5% 1/8W
R72	RCB-AG6R8K-1	RD12S6.8KΩJ	R: FXD CAR 6.8kΩ ±5% 1/8W
R73	RCB-AG47-1	RD12S47ΩJ	R: FXD CAR 47Ω ±5% 1/8W
R74	RCB-AG1K-1	RD12S1KΩJ	R: FXD CAR 1kΩ ±5% 1/8W
R75	RCB-AH2R2K-1	RD25S2.2KΩJ	R: FXD CAR 2.2kΩ ±5% 1/4W
R76	RCB-AG100K-1	RD12S100KΩJ	R: FXD CAR 100kΩ ±5% 1/8W
R77	RCB-AG15K-1	RD12S15KΩJ	R: FXD CAR 15kΩ ±5% 1/8W
R78	RCB-AG18K-1	RD12S18KΩJ	R: FXD CAR 18kΩ ±5% 1/8W

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R79	RCB-AG6R8K-1	RD12S6.8KΩJ	R: FXD CAR 6.8kΩ $\pm 5\%$ 1/8W
R80	RCB-AG10K-1	RD12S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/8W
R81	RCB-AG10K-1	RD12S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/8W
R82	RCB-AG1R8K-1	RD12S1.8KΩJ	R: FXD CAR 1.8kΩ $\pm 5\%$ 1/8W
R83	RCB-AG330-1	RD12S330ΩJ	R: FXD CAR 330Ω $\pm 5\%$ 1/8W
R84	RCB-AG2R2K-1	RD25S2.2KΩJ	R: FXD CAR 2.2kΩ $\pm 5\%$ 1/4W
R85	RCB-AG6R8K-1	RD12S6.8KΩ	R: FXD CAR 6.8kΩ $\pm 5\%$ 1/8W
R86	RCB-AG6R8K-1	RD12S6.8KΩJ	R: FXD CAR 6.8kΩ $\pm 5\%$ 1/8W
R87	RCB-AG270-1	RD12S270ΩJ	R: FXD CAR 270Ω $\pm 5\%$ 1/8W
R88	RCB-AG10-1	RD12S10ΩJ	R: FXD CAR 10Ω $\pm 5\%$ 1/8W
R89	RCB-AH820-1	RD25S820ΩJ	R: FXD CAR 820Ω $\pm 5\%$ 1/4W
R90	RCB-AG51-1	RD12S51ΩJ	R: FXD CAR 51Ω $\pm 5\%$ 1/8W
R91 thru R95	RCB-AG1K-1	RD12S1KΩJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/8W
R96	RCB-AG33K-1	RD12S33KΩJ	R: FXD CAR 33kΩ $\pm 5\%$ 1/8W
R97	RCB-AG1R2K-1	RD12S1.2KΩJ	R: FXD CAR 1.2kΩ $\pm 5\%$ 1/8W
R98	RCB-AG10K-1	RD12S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/8W
R99	RCB-AG10K-1	RD12S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/8W
RI00	RCB-AG12K-1	RD12S12KΩJ	R: FXD CAR 12kΩ $\pm 5\%$ 1/8W
RI01	RCB-AG1R8K-1	RD12S1.8KΩJ	R: FXD CAR 1.8kΩ $\pm 5\%$ 1/8W
RI02	RCB-AG22-1	RD12S22KΩJ	R: FXD CAR 22kΩ $\pm 5\%$ 1/8W
RI03	RCB-AG6R8K-1	RD12S6.8KΩJ	R: FXD CAR 6.8kΩ $\pm 5\%$ 1/8W
RI04	RCB-AG6R8K-1	RD12S6.8KΩJ	R: FXD CAR 6.8kΩ $\pm 5\%$ 1/8W
RI05	RCB-AH680-1	RD25S680ΩJ	R: FXD CAR 680Ω $\pm 5\%$ 1/4W
RI06	RCB-AG10-1	RD12S10ΩJ	R: FXD CAR 10Ω $\pm 5\%$ 1/8W
RI07 thru RI10	RCB-AG22-1	RD12S22ΩJ	R: FXD CAR 22Ω $\pm 5\%$ 1/8W
RI11	RCB-AG51-1	RD12S51ΩJ	R: FXD CAR 51Ω $\pm 5\%$ 1/8W
RI12	RCB-AG680-1	RD12S680ΩJ	R: FXD CAR 680Ω $\pm 5\%$ 1/8W
RI13	RCB-AG10K-1	RD12S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/8W
RI14	RCB-AG470-1	RD12S470ΩJ	R: FXD CAR 470Ω $\pm 5\%$ 1/8W
RI15	RCB-AG47-1	RD12S47ΩJ	R: FXD CAR 47Ω $\pm 5\%$ 1/8W
RI16	RCB-AG2R7K-1	RD12S2.7KΩJ	R: FXD CAR 2.7kΩ $\pm 5\%$ 1/8W
RI17	RCB-AG47-1	RD12S47ΩJ	R: FXD CAR 47Ω $\pm 5\%$ 1/8W
RI18	RCB-AG330-1	RD12S330ΩJ	R: FXD CAR 330Ω $\pm 5\%$ 1/8W
RI19	RCB-AG330-1	RD12S330ΩJ	R: FXD CAR 330Ω $\pm 5\%$ 1/8W
RI20	RCB-AG22-1	RD12S22ΩJ	R: FXD CAR 22Ω $\pm 5\%$ 1/8W
RI21	RCB-AG22-1	RD12S22ΩJ	R: FXD CAR 22Ω $\pm 5\%$ 1/8W
RI22	RCB-AH1R5K-1	RD25S1.5KΩJ	R: FXD CAR 1.5kΩ $\pm 5\%$ 1/4W
RI23	RCB-AG2R7K-1	RD12S2.7KΩJ	R: FXD CAR 2.7kΩ $\pm 5\%$ 1/8W
RI24	RCB-AG15-1	RD12S15ΩJ	R: FXD CAR 15Ω $\pm 5\%$ 1/8W
RI25	RCB-AG47-1	RD12S47ΩJ	R: FXD CAR 47Ω $\pm 5\%$ 1/8W
RI26	RCB-AH330-1	RD25S330ΩJ	R: FXD CAR 330Ω $\pm 5\%$ 1/4W
RI27	RCB-AH330-1	RD25S330ΩJ	R: FXD CAR 330Ω $\pm 5\%$ 1/4W
RI28	RCB-AG22-1	RD12S22ΩJ	R: FXD CAR 22Ω $\pm 5\%$ 1/8W
RI29	RCB-AG22-1	RD12S22ΩJ	R: FXD CAR 22Ω $\pm 5\%$ 1/8W
RI30	RCB-AH1K-1	RD25S1KΩJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W

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R131	RCB-AH820-1	RD25S820QJ	R: FXD CAR 820Ω ±5% 1/4W
R132	RCB-AH820-1	RD25S820QJ	R: FXD CAR 820Ω ±5% 1/4W
R133	RCB-AG2R7K-1	RD12S2.7KQJ	R: FXD CAR 2.7kΩ ±5% 1/8W
R134	RCB-AG15-1	RD12S15QJ	R: FXD CAR 15Ω ±5% 1/8W
R135	RCB-AG47-1	RD12S47QJ	R: FXD CAR 47Ω ±5% 1/8W
R136	RCB-AG3R9K-1	RD12S3.9KQJ	R: FXD CAR 3.9kΩ ±5% 1/8W
R137	RCB-AG4R7K-1	RD12S4.7KQJ	R: FXD CAR 4.7kΩ ±5% 1/8W
R138	RCB-AG10-1	RD12S10QJ	R: FXD CAR 10Ω ±5% 1/8W
R139	RCB-AG10-1	RD12S10QJ	R: FXD CAR 10Ω ±5% 1/8W
R140	RCB-AG33-1	RD12S33QJ	R: FXD CAR 33Ω ±5% 1/8W
R141	RCB-AG27-1	RD12S27QJ	R: FXD CAR 27Ω ±5% 1/8W
R142	RCB-AG82-1	RD12S82QJ	R: FXD CAR 82Ω ±5% 1/8W
R143	RCB-AG10K-1	RD12S10KQJ	R: FXD CAR 10kΩ ±5% 1/8W
R144	RCB-AG15K-1	RD12S15KQJ	R: FXD CAR 15kΩ ±5% 1/8W
R145	RCB-AG10K-1	RD12S10KQJ	R: FXD CAR 10kΩ ±5% 1/8W
R146	RCB-AG100K-1	RD12S100KQJ	R: FXD CAR 100kΩ ±5% 1/8W
R147	RVR-CD20K-1	RJ6X20KQ	R: VAR CERMET 20kΩ
R148	RCB-AG10K-1	RD12S10KQJ	R: FXD CAR 10kΩ ±5% 1/8W
R149	RVR-CD2K-1	RJ6X2KQ	R: VAR CERMET 2kΩ
R150	RCB-AG150-1	RD12S150QJ	R: FXD CAR 150Ω ±5% 1/8W
R151			Not assigned
R152	RCB-AG47K-1	RD12S47KQJ	R: FXD CAR 47kΩ ±5% 1/8W
R153	RCB-AG51-1	RD12S51QJ	R: FXD CAR 51Ω ±5% 1/8W
R154	RCB-AG220-1	RD12S220QJ	R: FXD CAR 220Ω ±5% 1/8W
R155	RCB-AG51-1	RD12S51QJ	R: FXD CAR 51Ω ±5% 1/8W
R156	RCB-AG3R3K-1	RD12S3.3KQJ	R: FXD CAR 3.3kΩ ±5% 1/8W
R157	RCB-AG2R7K-1	RD12S2.7KQJ	R: FXD CAR 2.7kΩ ±5% 1/8W
R158	RCB-AG3R3K-1	RD12S3.3KQJ	R: FXD CAR 3.3kΩ ±5% 1/8W
R159	RCB-AG10-1	RD12S10QJ	R: FXD CAR 10Ω ±5% 1/8W
R160	RCB-AH330-1	RD25S330QJ	R: FXD CAR 330Ω ±5% 1/4W
R161	RCB-AG51-1	RD12S51QJ	R: FXD CAR 51Ω ±5% 1/8W
R162	RCB-AG3R3K-1	RD12S3.3KQJ	R: FXD CAR 3.3kΩ ±5% 1/8W
R163	RCB-AG51-1	RD12S51QJ	R: FXD CAR 51Ω ±5% 1/8W
R164	RCB-AG2R7K-1	RD12S2.7KQJ	R: FXD CAR 2.7kΩ ±5% 1/8W
R165	RCB-AG3R3K-1	RD12S3.3KQJ	R: FXD CAR 3.3kΩ ±5% 1/8W
R166	RCB-AH330-1	RD25S330QJ	R: FXD CAR 330Ω ±5% 1/4W
R167	RCB-AG10-1	RD12S10QJ	R: FXD CAR 10Ω ±5% 1/8W
R168	RCB-AG150-1	RD12S150QJ	R: FXD CAR 150Ω ±5% 1/8W
R169	RCB-AG150-1	RD12S150QJ	R: FXD CAR 150Ω ±5% 1/8W
R170	RCB-AG39-1	RD12S39QJ	R: FXD CAR 39Ω ±5% 1/8W
R171	RCB-AG3R3K-1	RD12S3.3KQJ	R: FXD CAR 3.3kΩ ±5% 1/8W
R172	RCB-AG22-1	RD12S22QJ	R: FXD CAR 22Ω ±5% 1/8W
R173	RCB-AG2R7K-1	RD12S2.7KQJ	R: FXD CAR 2.7kΩ ±5% 1/8W
R174	RCB-AG3R3K-1	RD12S3.3KQJ	R: FXD CAR 3.3kΩ ±5% 1/8W
R175	RCB-AG100-1	RD12S100QJ	R: FXD CAR 100Ω ±5% 1/8W
R176	RCB-AG15-1	RD12S15QJ	R: FXD CAR 15Ω ±5% 1/8W
R177	RCB-AH330-1	RD25S330Q	R: FXD CAR 330Ω ±5% 1/4W
R178	RCB-AG22-1	RD12S22QJ	R: FXD CAR 22Ω ±5% 1/8W

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R179	RCB-AG6R8K-1	RD12S6.8KΩJ	R: FXD CAR 6.8kΩ ±5% 1/8W
R180	RCB-AG6R8K-1	RD12S6.8KΩJ	R: FXD CAR 6.8kΩ ±5% 1/8W
R181	RCB-AH560-1	RD25S560ΩJ	R: FXD CAR 560Ω ±5% 1/4W
R182	RCB-AG22-1	RD12S22ΩJ	R: FXD CAR 22Ω ±5% 1/8W
R183	RCB-AG1K-1	RD12S1KΩJ	R: FXD CAR 1kΩ ±5% 1/8W
R184	RCB-AG10K-1	RD12S10KΩJ	R: FXD CAR 10kΩ ±5% 1/8W
R185	RCB-AG51-1	RD12S51ΩJ	R: FXD CAR 51Ω ±5% 1/8W
R186	RCB-AG8R2K-1	RD12S8.2KΩJ	R: FXD CAR 8.2kΩ ±5% 1/8W
R187	RCB-AG51-1	RD12S51ΩJ	R: FXD CAR 51Ω ±5% 1/8W
R188	RCB-AG33K-1	RD12S33KΩJ	R: FXD CAR 33kΩ ±5% 1/8W
R189	RCB-AG33-1	RD12S33ΩJ	R: FXD CAR 33Ω ±5% 1/8W
R190	RCB-AG680-1	RD12S680ΩJ	R: FXD CAR 680Ω ±5% 1/8W
R191	RCB-AG1R5K-1	RD12S1.5KΩJ	R: FXD CAR 1.5kΩ ±5% 1/8W
R192	RCB-AG33-1	RD12S33ΩJ	R: FXD CAR 33Ω ±5% 1/8W
R193	RVR-CD10K-1	RJ6X10KΩ	R: VAR CERMET 10kΩ
R194	RCB-AG2R7K-1	RD12S2.7KΩJ	R: FXD CAR 2.7kΩ ±5% 1/8W
R195	RVR-CD500-1	RJ6X500Ω	R: VAR CERMET 500Ω
R196	RCB-AG100-1	RD12S100ΩJ	R: FXD CAR 100Ω ±5% 1/8W
R197	RCB-AG47-1	RD12S47ΩJ	R: FXD CAR 47Ω ±5% 1/8W
R198	RCB-AG2R7K-1	RD12S2.7KΩJ	R: FXD CAR 2.7kΩ ±5% 1/8W
R199	RCB-AG220-1	RD12S220ΩJ	R: FXD CAR 220Ω ±5% 1/8W
R200	RCB-AG330-1	RD12S330ΩJ	R: FXD CAR 330Ω ±5% 1/8W
C201 thru C204	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C205	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C206	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C207	CMC-AB220PR3K-4	DM10D221J3	C: FXD DIPPED MICA 220pF ±5% 300V
C208	CMC-AC560PR3K-2	DM15D561J3	C: FXD DIPPED MICA 560pF ±5% 300V
C209	CMC-AC820PR3K-2	DM15D821J3	C: FXD DIPPED MICA 820pF ±5% 300V
C210	CSM-AC68P50V-1	68PF50WV	C: FXD CER 68pF ±10% 50V
C211	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C212	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C213	CSM-ACR047U50V-1	0.47UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C214	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C215	CMC-AC1200PR3K-2	DM15D122J3	C: FXD DIPPED MICA 1200pF ±5% 300V
C216	CMC-AD1800PR5K-2	DM19D182J5	C: FXD DIPPED MICA 1800pF ±5% 500V
C217	CMC-AC1200PR3K-2	DM15D122J3	C: FXD DIPPED MICA 1200pF ±5% 300V
C218	CMC-AB120PR3K-4	DM10D121J3	C: FXD DIPPED MICA 120pF ±5% 300V
C219	CTM-AA20P-1	ECV-12W20X53N	C: VAR CER 20pF
C220	CSM-AC5P50V-1	5PF50WV	C: FXD CER 5pF ±10% 50V
C221	CMC-AB120PR3K-4	DM10D121J3	C: FXD DIPPED MICA 120pF ±5% 300V
C222	CTM-AA20P-1	ECV-12W20X53N	C: VAR CER 20pF
C223	CSM-AC5P50V-1	5PF50WV	C: FXD CER 5pF ±10% 50V
C224	CMC-AB120PR3K-4	DM10D121J3	C: FXD DIPPED MICA 120pF
C225	CTM-AA20P-1	ECV-12W20X53N	C: VAR CER 20pF
C226	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C227	CSM-ACR047U50V-1	0.0047UF50WV	C: FXD CER 0.0047μF +80, -20% 50V

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C228	CSM-ACR01U50V-1	0.01UF 50WV	C: FXD CER 0.01μF +80, -20% 50V
C229	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
C230	CTM-AB10P-1	ECV-1ZW10X31	C: VAR CER 10pF
C231	CTM-AB10P-1	ECV-1ZW10X31	C: VAR CER 10pF
C232	CSM-ACR047U50V-1	0.0047UF50WV	C: FXD CER 0.0047μF +80, -20% 50V
C233	CSM-ACR047U50V-1	0.0047UF50WV	C: FXD CER 0.0047μF +80, -20% 50V
C234	CSM-ASR01U50V-1	0.01UF50WV	C: FXD CER 0.01UF +80, -20% 50V
C235			Not assigned
C236	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C237	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C238	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C239	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.0047μF +80, -20% 50V
C240	CTM-AA20P-1	ECV-1ZW10X53N	C: VAR CER 20pF
C241	CSM-AC8P50V-1	8PF50WV	C: FXD CER 8pF ±10% 50V
C242	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
C243	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C244	CSM-AC15P50V-1	15PF50WV	C: FXD CER 15pF ±10% 50V
C245 thru C247	CSM-AC33P50V-1	33PF50WV	C: FXD CER 33pF ±10% 50V
C248	CSM-AC15P50V-1	15PF50WV	C: FXD CER 15pF ±10% 50V
C249	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C250	CSM-AC68P50V-1	68pF 50WV	C: FXD CER 68pF ±10% 50V
C251	CTA-AB10U25V-1	221M2502-106M	C: FXD ELECT TANTAL 10μF ±20% 25V
C252	CSM-AC68P50V-1	68PF50WV	C: FXD CER 68pF ±10% 50V
C253	CTA-AB10U25V-1	221M2502-106M	C: FXD ELECT TANTAL 10μF ±20% 25V
C254	CTA-AB10U25V-1	221M2502-106M	C: FXD ELECT TANTAL 10μF ±20% 25V
C255	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C256	CSM-AC68P50V-1	68PF50WV	C: FXD CER 68pF ±10% 50V
C257	CTA-AB10U25V-1	221M2502-106M	C: FXD ELECT TANTAL 10μF ±20% 25V
C258	CTA-AB10U25V-1	221M2502-106M	C: FXD ELECT TANTAL 10μF ±20% 25V
C259	CSM-AC47P50V-1	47PF50WV	C: FXD CER 47pF ±10% 50V
C260	CSM-AC47P50V-1	47PF50WV	C: FXD CER 47pF ±10% 50V
C261	CSM-AC12P50V-1	12PF50WV	C: FXD CER 12pF ±10% 50V
C262	CTA-AA100U10V-1	111M1002-107M	C: FXD ELECT TANTAL 100μF ±20% 10V
C263	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C264	CSM-AC4700P50V-1	0.0047UF50WV	C: FXD CER 0.0047μF +80, -20% 50V
C265	CCP-ADR022U50V-1	C52AF1H223Z	C: FXD CHIP 0.022μF +80, -20% 50V
C266	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C267	CTA-AB22U35V-1	221M3502-226M	C: FXD ELECT TANTAL 22μF ±20% 35V
C268 thru C271	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C272	CTA-AB22U35V-1	221M3502-226M	C: FXD ELECT TANTAL 22μF ±20% 35V
C273	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C274	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C275	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C276	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C277	CSM-AC68P50V-1	68PF50WV	C: FXD CER 68pF ±10% 50V

TR4114T/HT
TRACKING GENERATOR
SH271

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
C278	CSM-AC1000P50V-1	0.001UF50WV	C: FXD CER 0.001μF +80, -20% 50V
C279 thru C282	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C283			Not assigned
C284 thru C287	GSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C288	CSM-AC1000P50V-1	0.001UF50WV	C: FXD CER 0.001μF +80, -20% 50V
C289	CSM-AC1000P50V-1	0.001UF50WV	C: FXD CER 0.001μF +80, -20% 50V
C290	CSM-AC4700P50V-1	0.0047UF50WV	C: FXD CER 0.0047μF +80, -20% 50V
C291	GSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C292	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C293	CSM-AC1000P50V-1	0.001UF50WV	C: FXD CER 0.001μF +80, -20% 50V
C294	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C295	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
C296	CSM-AC1000P50V-1	0.001UF50WV	C: FXD CER 0.001μF +80, -20% 50V
C297	CSM-AC1000P50V-1	0.001UF50WV	C: FXD CER 0.001μF +80, -20% 50V
C298	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C299	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C300	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C301	CTA-AB10U25V-1	221M2502-106M	C: FXD ELECT TANTAL 10μF ±20% 25V
C302	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C303	CTA-AB10U25V-1	221M2502-106M	C: FXD ELECT TANTAL 10μF ±20% 25V
C304	CTA-AB10U25V-1	221M2502-106M	C: FXD ELECT TANTAL 10μF ±20% 25V
C305	CSM-AC100P50V-1	100PF50WV	C: FXD CER 100pF ±10% 50V
C306	CMS-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C307	CTA-AB22U16V-1	221M1602-226M	C: FXD ELECT TANTAL 22μF ±20% 16V
C308	CCK-AB22U25V-1	25VB22	C: FXD ELECT 22μF 25V
C309	CCK-AB22U25V-1	25VB22	C: FXD ELECT 22μF 25V
C310	CSM-AC12P50V-1	12PF50WV	C: FXD CER 12pF ±10% 50V
C311	CSM-AC12P50V-1	12PF50WV	C: FXD CER 12pF ±10% 50V
C312 thru C317	CSM-AC2P50V-1	2PF50WV	C: FXD CER 2pF ±10% 50V
C318 thru C320	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
L321	LCL-C00013-1	CSL0812-181J	L: FXD Coil
L322			Not assigned
L323	LCL-B00162-1	TP0410-2R2K	L: FXD Coil
L324	LCL-B00162-1	TP0410-2R2K	L: FXD Coil
L325 thru L327	LCL-C00116-1	L07C-30	L: FXD Coil
L328	LCL-B00369-1	TP0410-150K	L: FXD Coil
L329	LCL-B00038A-1		L: FXD Coil
L330	LCL-A00063-1	LS-21	L: FXD Coil
L331	LCL-A00064-1	LS-22	L: FXD Coil
L332	LCL-A00065-1	LS-23	L: FXD Coil

TR4114T/HT
TRACKING GENERATOR
SH271

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
L333	LCL-A00065-1	LS-23	L: FXD Coil
L334	LCL-A00064-1	LS-22	L: FXD Coil
L335	LCL-A00066-1	LS-24	L: FXD Coil
L336			Not assigned
L337	LCL-C00013-1	CSL0812-181J	L: FXD Coil
L338	LCL-B00160-1	TP0410-150K	L: FXD Coil
L339	LCL-C00013-1	CSL0812-181J	L: FXD Coil
L340	LCL-A00063-1	LS21	L: FXD Coil
L341	LCL-C00013-1	CSL0812-181J	L: FXD Coil
L342			L: FXD Coil Pattern
L343			L: FXD Coil Pattern
C344	CSM-AC1P50V-1	1PF.0WV	C: FXD CER 1pF $\pm 10\%$ 50V
C345	CSM-AC1P50V-1	1PF50WV	C: FXD CER 1pF $\pm 10\%$ 50V
C368	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
R346	RCB-AG47-1	RD12S47 Ω J	R: FXD CAR 47 Ω $\pm 5\%$ 1/8W
R347	RCB-AG47-1	RD12S47 Ω J	R: FXD CAR 47 Ω $\pm 5\%$ 1/8W
R348	RCB-AG10K-1	RD12S10K Ω J	R: FXD CAR 10k Ω $\pm 5\%$ 1/8W
R349	RCB-AG82K-1	RD12S82K Ω J	R: FXD CAR 82k Ω $\pm 5\%$ 1/8W
T351	LCL-C00117-1	L07D-11	Transformer
T352	LCL-C00117-1	L07D-11	Transformer
T353	LTP-000270-1	TP865A	Transformer
T354	LTP-000270-1	TP865A	Transformer
T355	LTP-000268-1	TP864A	Transformer
T356	LTP-000270-1	TP865A	Transformer
T357	LTP-000270-1	TP865A	Transformer
T358	LTP-000268-1	TP864A	Transformer
X361	DXD-000143-1	XU-036	Crystal
R363	RCB-AH2R2K-1	RD25S2.2K Ω J	R: FXD CAR 2.2k Ω $\pm 5\%$ 1/4W
R364	RCB-AG12K-1	RD12S12K Ω J	R: FXD CAR 12k Ω $\pm 5\%$ 1/8W
J366	JCP-AA006PX03-1	A-1306	Connector
J367	JCP-AA012PX03-1	A-1312	Connector

50Ω INPUT UNIT
MEP-305

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
J1	JCF-AB001JX03-1	BNC-078	Coaxial Connector
J2	JCF-AA001JX20-2	50-645-4526-89	Coaxial Connector
J3	JCS-AV004JX01-1	RA0304	Connector
J4	JCP-AA012PX01-1	A-1112	Connector
ATT1	DAT-000714-1	TSA45BS-3	Attenuator
Ca1		KCA-25B-13	SMA-SMA Cable
Ca2		KCA-25B-07	SMA-SMA Cable
Ca3		KCA-47-02	BNC-UM Cable

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
C1	CTA-AE100U10V-1	NP10ST101	C: FXD ELECT TANTAL 100 μ F 10V
C2	CTA-AE1R5U10V-1	NP10ST1R5	C: FXD ELECT TANTA 1.5 μ F 10V
C3		C35AF1H103Z	C: FXD CHIP

TR4114H/HT
HIGH IMPEDANCE INPUT UNIT
MEP-304

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
Ca1		KCA-25B-17	Cable
Ca2		KCA-47-02	Cable
C1	CFT-AC1000P50V-1	KFD51AYZB102P50	C: FXD Feed-through 1000pF +100, -0% 50V
C2	CFT-AC1000P50V-1	KFD51AYZB102P50	C: FXD Feed-through 1000pF +100, -0% 50V

TR4114E/HT
HIGH IMPEDANCE INPUT UNIT
SA049

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
Q1	SFM-3SK74-1	3SK74	FET Junction N-Channel
Q2	STN-2SC2026-1	2SC2026	Transistor SI NPN
Q3	STN-2SC2026-1	2SC2026	Transistor SI NPN
Q4	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
D11	SDS-LD1-1	LD-1	Diode SI
D12	SDS-LD1-1	LD-1	Diode SI
D13 thru D25	SDS-1S953-1	1S953	Diode SI
R31	RCB-AH10-1	RD25S10ΩJ	R: FXD CAR 10Ω $\pm 5\%$ 1/4W
R32	RCB-AH12K-1	RD25S12KΩJ	R: FXD CAR 12kΩ $\pm 5\%$ 1/4W
R33	RMF-AR1MFK-1	SN14K2E1MΩF	R: FXD Metal FLM 1MΩ $\pm 1\%$ 1/4W
R34	RCB-AH100K-1	RD25S100KΩJ	R: FXD CAR 100kΩ $\pm 5\%$ 1/4W
R35	RCB-AH27K-1	RD25S27KΩJ	R: FXD CAR 27kΩ $\pm 5\%$ 1/4W
R36	RCB-AH1R5K-1	RD25S1.5KΩJ	R: FXD CAR 1.5kΩ $\pm 5\%$ 1/4W
R37	RCB-AH100-1	RD25S100ΩJ	R: FXD CAR 100Ω $\pm 5\%$ 1/4W
R38	RCB-AH51-1	RD25S51ΩJ	R: FXD CAR 51Ω $\pm 5\%$ 1/4W
R39	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R40	RCB-AH5R6K-1	RD25S5.6KΩJ	R: FXD CAR 5.6kΩ $\pm 5\%$ 1/4W
R41	RCB-AH51-1	RD25S51ΩJ	R: FXD CAR 51Ω $\pm 5\%$ 1/4W
R42	RCB-AH330-1	RD25S330ΩJ	R: FXD CAR 330Ω $\pm 5\%$ 1/4W
R43	RCB-AH1K-1	RD25S1KΩJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
R44	RCB-AH47-1	RD25S47ΩJ	R: FXD CAR 47Ω $\pm 5\%$ 1/4W
R45	RCB-AH22-1	RD25S22ΩJ	R: FXD CAR 22Ω $\pm 5\%$ 1/4W
R46	RCB-AH1K-1	RD25S1KΩJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
R47	RCB-AH150-1	RD25S150ΩJ	R: FXD CAR 150Ω $\pm 5\%$ 1/4W
R48 thru R50	RCB-AH100-1	RD25S100ΩJ	R: FXD CAR 100Ω $\pm 5\%$ 1/4W
R51	RMF-AR681KFK-1	SN14K2E681KΩF	R: FXD Metal FLM 681kΩ $\pm 1\%$ 1/4W
R52	RMF-AR464KFK-1	SN14K2E464KΩF	R: FXD Metal FLM 464kΩ $\pm 1\%$ 1/4W
R53	RCB-AH68-1	RD12S68ΩJ	R: FXD CAR 68Ω $\pm 5\%$ 1/8W
R54	RMF-AR909KFK-1	SN14K2E909KΩF	R: FXD Metal FLM 909kΩ $\pm 1\%$ 1/4W
R55	RMF-AR110KFK-1	SN14K2E110KΩF	R: FXD Metal FLM 110kΩ $\pm 1\%$ 1/4W
R56	RMF-AR976KFK-1	SN14K2E976KΩF	R: FXD Metal FLM 976kΩ $\pm 1\%$ 1/4W
R57	RMF-AR32R4KFK-1	SN14K2E32.4KΩF	R: FXD Metal FLM 32.4kΩ $\pm 1\%$ 1/4W
R58	RCB-AH100-1	RD25S100ΩJ	R: FXD CAR 100Ω $\pm 5\%$ 1/4W
R59	RCB-AG47-1	RD12S47ΩJ	R: FXD CAR 47Ω $\pm 5\%$ 1/8W
R60	RCB-AG15-1	RD12S15ΩJ	R: FXD CAR 15Ω $\pm 5\%$ 1/8W
C61	CSM-AC1000P50V-1	0.001UF50WV	C: FXD CER 0.001μF +80, -20% 50V
C62 thru C64		C52AF1H104Z	C: FXD CHIP
C65		ECV-12W10X53N	C: VAR CER 10pF
C66		C35NP01H100D	C: FXD CHIP
C67	CTA-AA100U20V-1	111M2002-107M	C: FXD ELECT TANTAL 100μF $\pm 20\%$ 20V
C68	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V

TR4114H/HT
HIGH IMPEDANCE INPUT UNIT
SA049

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
C69	CTA-AA68U25V-1	111M2502-686M	C: FXD ELECT TANTAL 68 μ F $\pm$ 20% 25V
C70 thru C73	GSM-ACR01U50V-1	0.01UF50V	C: FXD CER 0.01 μ F +80, -20% 50V
C74		ECV-1ZW02X53N	C: VAR CER
C75		C35NP01H020C	C: FXD CHIP
C76		ECV-1ZW04X53N	C: FXD CER
C77	CMC-AB10PR5K-6	DM10C100K5	C: FXD DIPPED MICA 10pF $\pm$ 10% 500V
C78		C35NP01H150K	C: FXD CHIP
C79		ECV-1ZW02X53N	C: VAR CER
C80		C35NP01H050C	C: FXD CHIP
C81		C35NP01H220K	C: FXD CHIP
C82		ECV-1ZW02X53N	C: VAR CER
C83		C35NP01H020C	C: FXD CHIP
C84		ECV-1ZW04X53N	C: VAR CER
C85		C35NP01H101K	C: FXD CHIP
C86		ECV-1ZW04X53N	C: VAR CER
C87	CTA-AGR15UR16K-1	TAN160-R15M	C: FXD ELECT TANTAL 15 μ F $\pm$ 20% 16kV
C88	CCK-AA47U25V-1	25T47	C: FXD ELECT 47 μ F 25V
C89	CTA-AA10U25V-1	111M2502-106M	C: FXD ELECT TANTAL 10 μ F $\pm$ 20% 25V
C90	CSM-AC3P50V-1	3PF50V	C: FXD CER 3pF $\pm$ 10% 50V
L91	LCL-B00164-1	TP0410-221J	L: FXD Coil
L92	LCL-A00066-1	LS24	L: FXD Coil
L93			L: FXD Coil Pattern
L94			L: FXD Coil Pattern
L95			L: FXD Coil Pattern
K101 thru K103	KRL-000350-1	712-12	Relay
C106	CSM-AGR1U50V-1	FD76AF1H104Z	C: FXD CER 0.1 μ F +80, -20% 50V
C107	CSM-AGR1U50V-1	FD76AF1H104Z	C: FXD CER 0.1 μ F +80, -20% 50V
J121	JCF-AB001JX03-1	BNC-078	Connector
J122	JCF-AA001JX20-2	50-645-4526-89	Connector
J123	JCP-AA012PX01-1	A-1112	Pin Connector

TR4114/T/H/HT
RF SECTION
MEP-306

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
J1	JCF-AA001JX06-1	HRM-305	SMA Connector
J2 thru J6	JCF-AC001JX02-2	UM-QR(01)	UM Connector
C1	CFT-AD1000P50V-1	DF553F102P50V06	C: FXD Feed-through 1000pF +100, -0% 50V
C2	CFT-AD1000P50V-1	DF553F102P50V06	C: FXD Feed-through 1000pF +100, -0% 50V

TR4114/T/H/HT
RF SECTION
SH270

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
Q1 thru Q3	STN-2SC1426-1	2SC1426	Transistor SI NPN
D6 D7 thru D9	SDS-ND487C1-1	ND487C1-3R	Diode SI
D10 thru D13	SDS-1SS97-1	1SS97	Diode SI
R16	DHB-000332-1	THP-007-3	3dB PAD
R17	RCB-AH22-1	RD25S220J	R: FXD CAR 22Ω ±5% 1/4W
R18	DHB-000332-1	THP-007-3	3dB PAD
R19	DHB-000332-1	THP-007-3	3dB PAD
R20	RCB-AH2R7K-1	RD25S2.7KΩJ	R: FXD CAR 2.7kΩ ±5% 1/4W
R21	RCB-AH1R5K-1	RD25S1.5KΩJ	R: FXD CAR 1.5kΩ ±5% 1/4W
R22	RCB-AH4R7-1	RD25S4.7ΩJ	R: FXD CAR 4.7Ω ±5% 1/4W
R23	RCB-AH220-1	RD25S220ΩJ	R: FXD CAR 220Ω ±5% 1/4W
R24	RCB-AH51-1	RD25S51ΩJ	R: FXD CAR 51Ω ±5% 1/4W
R25	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ ±5% 1/4W
R26	RCB-AH5R6K-1	RD25S5.6KΩJ	R: FXD CAR 5.6kΩ ±5% 1/4W
R27	RCB-AH470-1	RD25S470ΩJ	R: FXD CAR 470Ω ±5% 1/4W
R28	RCB-AH470-1	RD25S470ΩJ	R: FXD CAR 470Ω ±5% 1/4W
R29	RCB-AH33-1	RD25S33ΩJ	R: FXD CAR 33Ω ±5% 1/4W
R30	RVR-BD100-1	X6S100Ω	R: VAR WW 100Ω
R31	RCB-AH51-1	RD25S51ΩJ	R: FXD CAR 51Ω ±5% 1/4W
R32	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ ±5% 1/4W
R33	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ ±5% 1/4W
R34	RCB-AH51-1	RD25S51ΩJ	R: FXD CAR 51Ω ±5% 1/4W
R35	PCB-AH51-1	RD25S51ΩJ	R: FXD CAR 51Ω ±5% 1/4W
R36	RCB-AH470-1	RD25S470ΩJ	R: FXD CAR 470Ω ±5% 1/4W
R37	RCB-AH75-1	RD25S75ΩJ	R: FXD CAR 75Ω ±5% 1/4W
R38	RCB-AH75-1	RD25S75ΩJ	R: FXD CAR 75Ω ±5% 1/4W
R39	RCB-AH10-1	RD25S10ΩJ	R: FXD CAR 10Ω ±5% 1/4W
R40	RCB-AH100-1	RD25S100ΩJ	R: FXD CAR 100Ω ±5% 1/4W
C41	CMC-AB15PR5K-6	DM10C150K5	C: FXD DIPPED MICA 15pF ±10% 500V
C42 thru C44	CMC-AB33PR5K-4	DM10D330J5	C: FXD DIPPED MICA 33pF ±5% 500V
C45	CMC-AB15PR5K-6	DM10C150K5	C: FXD DIPPED MICA 15pF ±10% 500V
C46			Not assigned
C47	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C48	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C49	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C50	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
C51	CTM-AC10P-1	ECV-1ZW10X32	C: VAR CER 10pF
C52	CTM-AB10P-1	ECV-1ZW10X31	C: VAR CER 10pF
C53	CTM-AB10P-1	ECV-1ZW10X31	C: VAR CER 10pF
C54	CMC-AB18PR5K-6	DFM10C180K5	C: FXD DIPPED MICA 18pF ±10% 500V

TR4114/T/H/HT
RF SECTION
SH270

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
C55 thru C57	CMC-AB33PR5K-4	DM10D330J5	C: FXD DIPPED MICA 33pF $\pm 5\%$ 500V
C58	CMC-AB18PR5K-6	DM10C180K5	C: FXD DIPPED MICA 18pF $\pm 10\%$ 500V
C59	CMC-AB56PR3K-4	DM10D560J3	C: FXD DIPPED MICA 56pF $\pm 5\%$ 300V
C60 thru C62	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C63	CMC-AB18PR5K-6	DM10C180K5	C: FXD DIPPED MICA 18pF $\pm 10\%$ 500V
C64	CMC-AB110PR3K-4	DM10D111J3	C: FXD DIPPED MICA 110pF $\pm 5\%$ 300V
C65	CTM-AC20P-1	ECV-1ZW20X32	C: VAR CER 20pF
C66	CMC-AB5PR5K-6	DM10C050K5	C: FXD DIPPED MICA 5pF $\pm 10\%$ 500V
C67	CMC-AB110PR3K-4	DM10D111J3	C: FXD DIPPED MICA 110pF $\pm 5\%$ 300V
C68	CTM-AC20P-1	ECV-1ZW20X32	C: VAR CER 20pF
C69	CMC-ABPR5K-6	DM10C050K5	C: FXD DIPPED MICA 5pF $\pm 10\%$ 500V
C70	CMC-AB120PR3K-4	DM10D121J3	C: FXD DIPPED MICA 120pF $\pm 5\%$ 300V
C71	CTM-AC20P-1	ECV-1ZW20X32	C: VAR CER 20pF
C72	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C73	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C74	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047 μ F +80, -20% 50V
C75	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C76	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C77	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047 μ F +80, -20% 50V
L81	LCL-A00064-1	LS22	L: FXD Coil
L82	LCL-A00064-1	LS22	L: FXD Coil
L83	LCL-A00065-1	LS23	L: FXD Coil
L84	LCL-A00064-1	LS22	L: FXD Coil
L85	LCL-B00495-1	TPF0410-391K	L: FXD Coil
L86	LCL-A00063-1	LS21	L: FXD Coil
L87	LCL-B00038A-1		L: FXD Coil
L88 thru L91	LCL-A00062-1	LS20	L: FXD Coil
L92	LCL-B00154-1	TP0410-R15M	L: FXD Coil
L93	LCL-B00154-1	TP0410-R15M	L: FXD Coil
L94 thru L96	LCL-C0016-1	L07C-30	L: FXD Coil
L97	LCL-B00495-1	TPF0410-391K	L: FXD Coil
T101	LTP-000270-1	TP-865A	Transformer
T102	LTP-000270-1	TP-865A	Transformer
T103	LTP-000268-1	TP-864A	Transformer
T104	LTP-000270-1	TP-865A	Transformer
J107	JCP-AA006PX03-1	A-1306	Connector

TR4114/T/H/HT
1st. LOCAL BLOCK
MEP-307

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
J1	JCF-AA001JX20-2	50-645-4526-89	SMA Connector
J2 thru J4	JCF-AC001JX02-2	UM-QR(01)	UM Connector
J5	DCB-QS0481-1	TOC-1A03030N	Connector with Cable
C1 thru C6	CFT-AD1000P50V-1	DF553F102P50V06	C: FXD Feed through 1000pF +100, -0% 50V
TM1	JTF-AB001EX04-1	PF-5-175	Terminal
TM2	JTF-AB001EX04-1	PF-5-175	Terminal

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
IC1	SIC-8619-1	SP8619B	IC: High Speed 1/4 divider
IC2	SIA-7905U-5	UPC7905H	IC: Voltage Regulator
IC3	SIA-TL084-1	TL084C	IC: JFET-INPUT Operational Amplifier
IC4	SIA-301A-1	LM301A	IC: Operational Amplifier
IC5	SIA-308A-1	LM308A	IC: Operational Amplifier
IC6	SIT-7490-2	HD7490AP	IC: Decode Counter
Q11	STN-2SC2150-1	2SC2150	Transistor SI NPN
Q12	STN-2SC2150-1	2SC2150	Transistor SI NPN
Q13 thru Q15	STN-2SC1426-1	2SC1426	Transistor SI NPN
Q16	STN-2SC505-1	2SC505	Transistor SI NPN
Q17	STN-2SC2026-1	2SC2026	Transistor SI NPN
Q18	STN-2SC641-1	2SC641	Transistor SI NPN
Q19	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
Q20	STP-2SA711-1	2SA711	Transistor SI PNP
Q21	STN-2SC1426-1	2SC1426	Transistor SI NPN
D26	SDS-SV14-1	SV14B	Diode SI
D27	SDS-HP2520-11	5082-2520	Diode SI
D28	SDS-HP2520-11	5082-2520	Diode SI
D29	SDS-TD293B-1	TD293B	Diode SI
D30 thru D37	SDS-1S9531	1S953	Diode SI
R41	RVR-BE5K-1	X6T5KΩ	R: VAR WW 5kΩ
R42	RCB-AH220-1	RD25S220ΩJ	R: FXD CAR 220Ω ±5% 1/4W
R43	RCB-AH100-1	RD25S100ΩJ	R: FXD CAR 100Ω ±5% 1/4W
R44	RCB-AH220-1	RD25S220ΩJ	R: FXD CAR 220Ω ±5% 1/4W
R45	RCP-AB51-3	MCR18-51ΩJ	R: FXD CHIP 51Ω
R46	RCP-AB51-3	MCR18-51ΩJ	R: FXD CHIP 51Ω
R47	RCB-AH220K-1	RD25S220KΩJ	R: FXD CAR 220kΩ ±5% 1/4W
R48	RCB-AH220K-1	RD25S220KΩJ	R: FXD CAR 220kΩ ±5% 1/4W
R49	DHB-000332-1	THP-007-3	R: 3dB PAD
R50 thru R52	RCP-AB51-3	MCR18-51ΩJ	R: FXD CHIP 51Ω
R53	DHB-000333-1	THP-007-6	R: 6dB PAD
R54	RCB-AG82-1	RD12S82ΩJ	R: FXD CAR 82Ω ±5% 1/8W
R55	RCB-AG68-1	RD12S68ΩJ	R: FXD CAR 68Ω ±5% 1/8W
R56	RCB-AG3R3-1	RD12S3.3ΩJ	R: FXD CAR 3.3Ω ±5% 1/8W
R57	RCB-AH4R7K-1	RD25S4.7KΩJ	R: FXD CAR 4.7kΩ ±5% 1/4W
R58	RCB-AH4R7K-1	RD25S4.7KΩJ	R: FXD CAR 4.7kΩ ±5% 1/4W
R59	RCB-AH150-1	RD25S150ΩJ	R: FXD CAR 150Ω ±5% 1/4W
R60	RCB-AH680-1	RD25S680ΩJ	R: FXD CAR 680Ω ±5% 1/4W
R61	RCB-AH4R7K-1	RD25S4.7KΩJ	R: FXD CAR 4.7kΩ ±5% 1/4W
R62	RCB-AH4R7K-1	RD25S4.7KΩJ	R: FXD CAR 4.7kΩ ±5% 1/4W
R63	RCB-AH470-1	RD25S470ΩJ	R: FXD CAR 470Ω ±5% 1/4W

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
R64	RCB-AH22-1	RD25S22QJ	R: FXD CAR 22Ω $\pm 5\%$ 1/4W
R65	RCB-AH560-1	RD25S560QJ	R: FXD CAR 560Ω $\pm 5\%$ 1/4W
R66	RCB-AH560-1	RD25S560QJ	R: FXD CAR 560Ω $\pm 5\%$ 1/4W
R67	RCB-AH5R6K-1	RD25S5.6KQJ	R: FXD CAR 5.6kΩ $\pm 5\%$ 1/4W
R68	RCB-AH4R7K-1	RD25S4.7KQJ	R: FXD CAR 4.7kΩ $\pm 5\%$ 1/4W
R69	RCB-AH330-1	RD25S330QJ	R: FXD CAR 330Ω $\pm 5\%$ 1/4W
R70	RCB-AH51-1	RD25S51QJ	R: FXD CAR 51Ω $\pm 5\%$ 1/4W
R71	RCB-AH220-1	RD25S220QJ	R: FXD CAR 220Ω $\pm 5\%$ 1/4W
R72	RCB-AH12K-1	RD25S12KQJ	R: FXD CAR 12kΩ $\pm 5\%$ 1/4W
R73	RCB-AH8R2K-1	RD25S8.2KQJ	R: FXD CAR 8.2kΩ $\pm 5\%$ 1/4W
R74	RCB-AH470-1	RD25S470QJ	R: FXD CAR 470Ω $\pm 5\%$ 1/4W
R75	RCB-AH51-1	RD25S51QJ	R: FXD CAR 51Ω $\pm 5\%$ 1/4W
R76	RCB-AH3R3K-1	RD25S3.3KQJ	R: FXD CAR 3.3kΩ $\pm 5\%$ 1/4W
R77	RCB-AH2R7K-1	RD25S2.7KQJ	R: FXD CAR 2.7kΩ $\pm 5\%$ 1/4W
R78	RCB-AH270-1	RD25S270QJ	R: FXD CAR 270Ω $\pm 5\%$ 1/4W
R79	RCB-AK180-1	RD50S180QJ	R: FXD CAR 180Ω $\pm 5\%$ 1/2W
R80	RCB-AH120-1	RD25S120QJ	R: FXD CAR 120Ω $\pm 5\%$ 1/4W
R81	RVR-BE100-1	X6T100Ω	R: VAR WW 100Ω
R82	RCB-AH10-1	RD25S10QJ	R: FXD CAR 10Ω $\pm 5\%$ 1/4W
R83	RCB-AK4R7M-1	RD50S4.7MΩJ	R: FXD CAR 4.7MΩ $\pm 5\%$ 1/2W
R84	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R85	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R86	RCB-AK4R7M-1	RD50S4.7MΩJ	R: FXD CAR 4.7MΩ $\pm 5\%$ 1/2W
R87	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R88	RMF-AR10KFK-1	RN14K2E10KQF	R: FXD Metal FLM 10kΩ $\pm 1\%$ 1/4W
R89	RVR-BD10K-1	X6S10KΩ	R: VAR WW 10kΩ
R90	RMF-AR1KFK-1	SN14K2E1KQF	R: FXD Metal FLM 1kΩ $\pm 1\%$ 1/4W
R91	RMF-AR100KFK-1	SN14K2E100KQF	R: FXD Metal FLM 100kΩ $\pm 1\%$ 1/4W
R92	RMF-AR12KFK-1	SN14K2E12KQF	R: FXD Metal FLM 12kΩ $\pm 1\%$ 1/4W
R93	RMF-AR68KFK-1	SN14K2E68KQF	R: FXD Metal FLM 68kΩ $\pm 1\%$ 1/4W
R94	RMF-AR150KFK-1	SN14K2E150KQF	R: FXD Metal FLM 150kΩ $\pm 1\%$ 1/4W
R95	RMF-AR100KFK-1	SN14K2E100KQF	R: FXD Metal FLM 100kΩ $\pm 1\%$ 1/4W
R96	RMF-AR5R6KFK-1	SN14K2E5.6KQF	R: FXD Metal FLM 5.6kΩ $\pm 1\%$ 1/4W
R97	RMF-AR820FK-1	SN14K2E820QF	R: FXD Metal FLM 820Ω $\pm 1\%$ 1/4W
R98	RMF-AR3R3KFK-1	SN14K2E3.3KQF	R: FXD Metal FLM 3.3kΩ $\pm 1\%$ 1/4W
R99	RMF-AR10KFK-1	SN14K2E10KQF	R: FXD Metal FLM 10kΩ $\pm 1\%$ 1/4W
R100	RVR-CD50K-1	RJ6X50KΩ	R: VAR CERMET 50kΩ
R101	RCB-AH1K-1	RD25S1KQJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
R102	RCB-AH220-1	RD25S220QJ	R: FXD CAR 220Ω $\pm 5\%$ 1/4W
R103	RCB-AH22K-1	RD25S22KQJ	R: FXD CAR 22kΩ $\pm 5\%$ 1/4W
R104	RMF-AR1KFK-1	SN14K2E1KQF	R: FXD Metal FLM 1kΩ $\pm 1\%$ 1/4W
R105	RMF-AR100KFK-1	SN14K2E100KQF	R: FXD Metal FLM 100kΩ $\pm 1\%$ 1/4W
R106	RVR-BD5K-1	X6S5KΩ	R: VAR WW 5kΩ
R107	RMF-AR100KFK-1	SN14K2E100KQF	R: FXD Metal FLM 100kΩ $\pm 1\%$ 1/4W
R108	RMF-AR330FK-1	SN14K2E330QF	R: FXD Metal FLM 330Ω $\pm 1\%$ 1/4W
R109	RMF-AR680FK-1	SN14K2E680QF	R: FXD Metal FLM 680Ω $\pm 1\%$ 1/4W
R110	RCB-AH12K-1	RD25S12KQJ	R: FXD CAR 12kΩ $\pm 5\%$ 1/4W
R111	RCB-AH33-1	RD25S33QJ	R: FXD CAR 33Ω $\pm 5\%$ 1/4W

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
RI12	RCB-AH4R7K-1	RD25S4.7KΩJ	R: FXD CAR 4.7kΩ $\pm 5\%$ 1/4W
RI13	RCB-AH470-1	RD25S470ΩJ	R: FXD CAR 470Ω $\pm 5\%$ 1/4W
RI14	RCB-AH220-1	RD25S220ΩJ	R: FXD CAR 220Ω $\pm 5\%$ 1/4W
RI15	RCB-AH220-1	RD25S220ΩJ	R: FXD CAR 220Ω $\pm 5\%$ 1/4W
RI16	RMF-AR1KFK-1	SN14K2E1KΩF	R: FXD Metal FLM 1kΩ $\pm 1\%$ 1/4W
RI17	RVR-BD2K-1	X6S2KΩ	R: VAR WW 2kΩ
RI18	RMF-AR51FK-1	SN14K2E51ΩF	R: FXD Metal FLM 51Ω $\pm 1\%$ 1/4W
RI19	RCB-AH22K-1	RD25S22KΩJ	R: FXD CAR 22kΩ $\pm 5\%$ 1/4W
RI20	RCB-AH680-1	RD25S680ΩJ	R: FXD CAR 680Ω $\pm 5\%$ 1/4W
RI21	RCB-AH2R2K-1	RD25S2.2KΩJ	R: FXD CAR 2.2kΩ $\pm 5\%$ 1/4W
RI22	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
RI23	RCB-AH2R2K-1	RD25S2.2KΩJ	R: FXD CAR 2.2kΩ $\pm 5\%$ 1/4W
RI24	RCB-AH1K-1	RD25S1KΩJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
RI25	RCB-AH680-1	RD25S680ΩJ	R: FXD CAR 680Ω $\pm 5\%$ 1/4W
RI26	RCB-AH220-1	RD25S220ΩJ	R: FXD CAR 220Ω $\pm 5\%$ 1/4W
RI27	RCB-AH330-1	RD25S330ΩJ	R: FXD CAR 330Ω $\pm 5\%$ 1/4W
RI28	RCP-AB100-3	MCRI8-100ΩJ	R: FXD CHIP 100Ω
RI29	RCB-AH330-1	RD25S330ΩJ	R: FXD CAR 330Ω $\pm 5\%$ 1/4W
RI30	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
CI31	CCP-ACR01U50V-2	C35AF1H103Z	C: FXD CHIP 0.01μF +80, -20% 50V
CI32	CCP-AC220P50V-7	C35SL1H221K	C: FXD CHIP 220pF $\pm 10\%$ 50V
CI33	CCP-AC220P50V-7	C35SL1H221K	C: FXD CHIP 220pF $\pm 10\%$ 50V
CI34	CCP-AC2200P50V-2	C35AF1H222Z	C: FXD CHIP 2200pF +80, -20% 50V
CI35	CCP-AC2200P50V-2	C35AF1H222Z	C: FXD CHIP 2200pF +80, -20% 50V
CI36 thru CI38	CCP-AC1P50V-4	C35NP01H010C	C: FXD CHIP 1pF $\pm 0.25\%$ 50V
CI39	CCP-ADRIU50V-1	C52AF1H104Z	C: FXD CHIP 0.1μF +80, -20% 50V
CI40	CCP-ADRIU50V-1	C52AF1H104Z	C: FXD CHIP 0.1μF +80, -20% 50V
CI41	CCP-AC5P50V-4	C35NP01H050C	C: FXD CHIP 5pF $\pm 0.25\%$ 50V
CI42	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
CI43 thru CI45	CCP-ACR01U50V-2	C35AF1H103Z	C: FXD CHIP 0.01μF +80, -20% 50V
CI46	CCP-AC5P50V-4	C35NP01H050C	C: FXD CHIP 5pF $\pm 0.25\%$ 50V
CI47	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
CI48	CCP-AC1P50V-4	C35NP01H010C	C: FXD CHIP 1pF $\pm 0.25\%$ 50V
CI49	CCP-ACR01U50V-2	C35AF1H103Z	C: FXD CHIP 0.01μF +80, -20% 50V
CI50	CCP-ACR01U50V-2	C35AF1H103Z	C: FXD CHIP 0.01μF +80, -20% 50V
CI51	CCP-AC5P50V-4	C35NP01H050C	C: FXD CHIP 5pF $\pm 0.25\%$ 50V
CI52 thru CI54	CCP-ADRIU50V-1	C52AF1H104Z	C: FXD CHIP 0.1μF +80, -20% 50V
CI55	CCP-ACR01U50V-2	C35AF1H103Z	C: FXD CHIP 0.01μF +80, -20% 50V
CI56	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
CI57	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
CI58	CMC-AB12PR5K-6	DM10C120K5	C: FXD DIPPED MICA 12pF $\pm 10\%$ 500V
CI59	CMC-AB12PR5K-6	DM10C120K5	C: FXD DIPPED MICA 12pF $\pm 10\%$ 500V
CI60	CCP-ACR01U50V-2	C35AF1H103Z	C: FXD CHIP 0.01μF +80, -20% 50V
CI61	CCP-ACR01U50V-2	C35AF1H103Z	C: FXD CHIP 0.01μF +80, -20% 50V

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
C162	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C163	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
C164	CCP-ACR01U50V-2	C35AF1H103Z	C: FXD CHIP 0.01 μ F +80, -20% 50V
C165	CCP-ACR01U50V-2	C35AF1H103Z	C: FXD CHIP 0.01 μ F +80, -20% 50V
C166	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C167	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
C168	CMC-AB12PR5K-6	DM10C120K5	C: FXD DIPPED MICA 12pF $\pm$ 10% 500V
C169	CMC-AB12PR5K-6	DM10C120K5	C: FXD DIPPED MICA 12pF +10% 500V
C170	CCP-ACR01U50V-2	C35AF1H103Z	C: FXD CHIP 0.01 μ F +80, -20% 50V
C171	CTA-AB22U16V-1	221M1602-226M	C: FXD ELECT TANTAL 22 μ F $\pm$ 20% 16V
C172 thru C174	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047 μ F +80, -20% 50V
C175	CSM-AC220P50V-1	220PF50WV	C: FXD CER 220pF $\pm$ 10% 50V
C176	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C177	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C178	CSM-AC220P50V-1	220PF50WV	C: FXD CER 220pF $\pm$ 10% 50V
C179	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C180	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C181	CMC-AB47PR3K-4	DM10D470J3	C: FXD DIPPED MICA 47pF $\pm$ 5% 300V
C182	CMC-AC360PR5K-2	DM15D361J5	C: FXD DIPPED MICA 360pF $\pm$ 5% 500V
C183	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C184	CMC-AB150PR3K-4	DM10D151J3	C: FXD DIPPED MICA 150pF $\pm$ 5% 300V
C185	CMC-AB1PR5K-2	DM10C010D5	C: FXD DIPPED MICA 1pF $\pm$ 0.5% 500V
C186	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C187	CMC-AB5PR5K-6	DM10C050K5	C: FXD DIPPED MICA 5pF $\pm$ 10% 500V
C188 thru C190	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C191	CSM-AC220P50V-1	220PF50WV	C: FXD CER 220pF $\pm$ 10% 50V
C192	CSM-AC220P50V-1	220PF50WV	C: FXD CER 220pF $\pm$ 10% 50V
C193	CSM-AC047U50V-1	0.047UF50WV	C: FXD CER 0.047 μ F +80, -20% 50V
C194	CSM-AC100P50V-1	100PF50WV	C: FXD CER 100pF $\pm$ 10% 50V
C195	CTA-AC047U50V-1	0.047UF50WV	C: FXD CER 0.047 μ F +80, -20% 50V
C196	CTA-AB22U16V-1	221M1602-226M	C: FXD ELECT TANTAL 22 μ F $\pm$ 20% 16V
C197	CTA-AB10U25V-1	221M2502-106M	C: FXD ELECT TANTAL 10 μ F $\pm$ 20% 25V
C198	CTA-AB10U25V-1	221M2502-106M	C: FXD ELECT TANTAL 10 μ F $\pm$ 20% 25V
C199	CTA-AB22U16V-1	221M1602-226M	C: FXD ELECT TANTAL 22 μ F $\pm$ 20% 16V
C200	CTA-AB10U25V-1	221M2502-106M	C: FXD ELECT TANTAL 10 μ F $\pm$ 20% 25V
C201	CTA-AB10U25V-1	221M2502-106M	C: FXD ELECT TANTAL 10 μ F $\pm$ 20% 25V
C202			Not assigned
L208	LCL-A00061-1	LS19	L: FXD Coil
L209	LCL-A00061-1	LS19	L: FXD Coil
L210	LCL-A00064-1	LS22	L: FXD Coil
L211	LCL-A00061-1	LS19	L: FXD Coil
L212	LCL-A00062-1	LS20	L: FXD Coil
L213	LCL-A00061-1	LS19	L: FXD Coil
L214	LCL-A00064-1	LS22	L: FXD Coil
L215	LCL-A00064-1	LS22	L: FXD Coil

TR4114/T/H/HT
1st. LOCAL BLOCK
SF168

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
L216	LCL-A00061-1	LS19	L: FXD Coil
L217	LCL-A00062-1	LS20	L: FXD Coil
L218	LCL-A00061-1	LS19	L: FXD Coil
L219 thru L224	LCL-C00011-1	CSL0609-470K	L: FXD Coil
T226	LTP-000266-1	TP863	Transformer
J231	JCP-AA006PX03-1	A-1306	Connector
X236	DXD-000136-1	XU-022	Crystal
R241	RCB-AH100K-1	RD25S100KΩJ	R: FXD CAR 100kΩ $\pm 5\%$ 1/4W
R242	RCB-AH470-1	RD25S470ΩJ	R: FXD CAR 470Ω $\pm 5\%$ 1/4W
R243	RCB-AH56K-1	RD25S56KΩJ	R: FXD CAR 56kΩ $\pm 5\%$ 1/4W
R244	RVR-BD5K-1	X6S5KΩ	R: VAR WW 5kΩ
R245	RCB-AH56K-1	RD25S56KΩJ	R: FXD CAR 56kΩ $\pm 5\%$ 1/4W
R246	RCB-AH2R2K-1	RD25S2.2KΩJ	R: FXD CAR 2.2kΩ $\pm 5\%$ 1/4W
R247	RCB-AH2R2K-1	RD25S2.2KΩJ	R: FXD CAR 2.2kΩ $\pm 5\%$ 1/4W

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
J1 thru J4	JCF-AC001JX02-2	UM-QR(01)	Connector
J5	DCB-QS-0488-1	TOC-1A06030N	Connector with Cable
C1 thru C6	CFT-AD1000P50V-1	DF553F102P50V06	C: FXD Feed through 1000pF +100, -0% 50V
TM2	JTF-AB001EX04-1	PF-5-175	Terminal
TM3	JTF-AB001EX04-1	PF-5-175	Terminal

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
IC1	SIC-551-1	UPB551C	IC: High Speed Prescaler
IC2 thru IC4		LM301AH	IC: Operational Amplifier
Q11	STN-2SC2026-1	2SC2026	Transistor SI NPN
Q12	SFN-2SK33-1	2SK33F	FET Junction N-Channel
Q13	STN-2SC2026-1	2SC2026	Transistor SI NPN
Q14	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
Q15	STN-2SC1254-1	2SC1254	Transistor SI NPN
Q16	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
Q17	STN-2SC1254-1	2SC1254	Transistor SI NPN
Q18	STN-2SC1275-1	2SC1275	Transistor SI NPN
Q19	STN-2SC1254-1	2SC1254	Transistor SI NPN
Q20	STN-2SC1275-1	2SC1275	Transistor SI NPN
D26	SDS-1S1765-1	1S1765	Diode SI
D27	SDS-1S1765-1	1S1765	Diode SI
D28 thru D31	SDS-1SS97-1	1SS97	Diode SI
D32 thru D36	SDS-1S953-1	1S953	Diode SI
D37	SDZ-1S2191-2	1S2192	Zener Diode
D38 thru D46	SDS-1S953-1	1S953	Diode SI
R51	RCB-AH33K-1	RD25S33KΩJ	R: FXD CAR 33kΩ $\pm 5\%$ 1/4W
R52	RCB-AH100K-1	RD25S100KΩJ	R: FXD CAR 100kΩ $\pm 5\%$ 1/4W
R53	RCB-AH22K-1	RD25S22KΩJ	R: FXD CAR 22kΩ $\pm 5\%$ 1/4W
R54	RCB-AH22K-1	RD25S22KΩJ	R: FXD CAR 22kΩ $\pm 5\%$ 1/4W
R55	RCB-AH68K-1	RD25S6.8KΩJ	R: FXD CAR 6.8kΩ $\pm 5\%$ 1/4W
R56	RCB-AH33K-1	RD25S3.3KΩJ	R: FXD CAR 3.3kΩ $\pm 5\%$ 1/4W
R57	RCB-AH100-1	RD25S100ΩJ	R: FXD CAR 100Ω $\pm 5\%$ 1/4W
R58	RCB-AH15K-1	RD25S1.5KΩJ	R: FXD CAR 1.5kΩ $\pm 5\%$ 1/4W
R59	RCB-AH1K-1	RD25S1KΩJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
R60	RCB-AH680K-1	RD25S680KΩJ	R: FXD CAR 680kΩ $\pm 5\%$ 1/4W
R61	RCB-AH1K-1	RD25S1KΩJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
R62	RCB-AH100-1	RD25S100ΩJ	R: FXD CAR 100Ω $\pm 5\%$ 1/4W
R63	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R64	RCB-AH68K-1	RD25S6.8KΩJ	R: FXD CAR 6.8kΩ $\pm 5\%$ 1/4W
R65	RCB-AH330-1	RD25S330ΩJ	R: FXD CAR 330Ω $\pm 5\%$ 1/4W
R66	RCB-AH680-1	RD25S680ΩJ	R: FXD CAR 680Ω $\pm 5\%$ 1/4W
R67	RCB-AH22K-1	RD25S2.2KΩJ	R: FXD CAR 2.2kΩ $\pm 5\%$ 1/4W
R68	RCB-AH100-1	RD25S100ΩJ	R: FXD CAR 100Ω $\pm 5\%$ 1/4W
R69	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R70	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R71	RCB-AH51-1	RD25S51ΩJ	R: FXD CAR 51Ω $\pm 5\%$ 1/4W
R72	RCB-AH1K-1	RD25S1KΩJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
R73	RVR-BD500-1	X6S500N	R: VAR WW 500N
R74	RCB-AH270-1	RD25S270N	R: FXD CAR 270N $\pm 5\%$ 1/4W
R75	RCB-AH5R6K-1	RD25S5.6KN	R: FXD CAR 5.6kN $\pm 5\%$ 1/4W
R76	RCB-AH5R6K-1	RD25S5.6KN	R: FXD CAR 5.6kN $\pm 5\%$ 1/4W
R77	RCB-AH470-1	RD25S470N	R: FXD CAR 470N $\pm 5\%$ 1/4W
R78			Not assigned
R79	RCB-AH560-1	RD25S560N	R: FXD CAR 560N $\pm 5\%$ 1/4W
R80	RCB-AH10K-1	RD25S10KN	R: FXD CAR 10kN $\pm 5\%$ 1/4W
R81	RCB-AH10K-1	RD25S10KN	R: FXD CAR 10kN $\pm 5\%$ 1/4W
R82	RCB-AH51-1	RD25S51N	R: FXD CAR 51N $\pm 5\%$ 1/4W
R83	RCB-AH470-1	RD25S470N	R: FXD CAR 470N $\pm 5\%$ 1/4W
R84	RCB-AH10-1	RD25S10N	R: FXD CAR 10N $\pm 5\%$ 1/4W
R58	RCB-AH10-1	RD25S10N	R: FXD CAR 10N $\pm 5\%$ 1/4W
R86	RCB-AH22-1	RD25S22N	R: FXD CAR 22N $\pm 5\%$ 1/4W
R87	RCB-AH10K-1	RD25S10KN	R: FXD CAR 10kN $\pm 5\%$ 1/4W
R88	RCB-AH10K-1	RD25S10KN	R: FXD CAR 10kN $\pm 5\%$ 1/4W
R89	RCB-AH51-1	RD25S51N	R: FXD CAR 51N $\pm 5\%$ 1/4W
R90	RCB-AH470-1	RD25S470N	R: FXD CAR 470N $\pm 5\%$ 1/4W
R91	RCB-AH10K-1	RD25S10KN	R: FXD CAR 10kN $\pm 5\%$ 1/4W
R92	RCB-AH10K-1	RD25S10KN	R: FXD CAR 10kN $\pm 5\%$ 1/4W
R93	RCB-AH470-1	RD25S470N	R: FXD CAR 470N $\pm 5\%$ 1/4W
R94	RCB-AH-51-1	RD25S51N	R: FXD CAR 51N $\pm 5\%$ 1/4W
R95	RCB-AH27-1	RD25S27N	R: FXD CAR 27N $\pm 5\%$ 1/4W
R96	RCB-AH10K-1	RD25S10KN	R: FXD CAR 10kN $\pm 5\%$ 1/4W
R97	RCB-AH10K-1	RD25S10KN	R: FXD CAR 10kN $\pm 5\%$ 1/4W
R98	RCB-AH470-1	RD25S470N	R: FXD CAR 470N $\pm 5\%$ 1/4W
R99	RCB-AH51-1	RD25S51N	R: FXD CAR 51N $\pm 5\%$ 1/4W
R100	RCB-AH51-1	RD25S51N	R: FXD CAR 51N $\pm 5\%$ 1/4W
R101	RCB-AH220K-1	RD25S220KN	R: FXD CAR 220kN $\pm 5\%$ 1/4W
R102	RCB-AH100K-1	RD25S100KN	R: FXD CAR 100kN $\pm 5\%$ 1/4W
R103	RCB-AH10K-1	RD25S10KN	R: FXD CAR 10kN $\pm 5\%$ 1/4W
R104 thru R106	RCB-AH68K-1	RD25S68KN	R: FXD CAR 68kN $\pm 5\%$ 1/4W
R107	RCB-AH27K-1	RD25S27KN	R: FXD CAR 27kN $\pm 5\%$ 1/4W
R108 thru R110	RCB-AH10K-1	RD25S10KN	R: FXD CAR 10kN $\pm 5\%$ 1/4W
R111	RCB-AH22K-1	RD25S22KN	R: FXD CAR 22kN $\pm 5\%$ 1/4W
R112	RCB-AH180-1	RD25S180N	R: FXD CAR 180N $\pm 5\%$ 1/4W
R113	RCB-AH12K-1	RD25S12KN	R: FXD CAR 12kN $\pm 5\%$ 1/4W
R114	RVR-CB5K-1	RJ6P5KN	R: VAR CERMET 5kN
R115	RCB-AH47K-1	RD25S47KN	R: FXD CAR 47kN $\pm 5\%$ 1/4W
R116	RCB-AH1R2K-1	RD25S1.2KN	R: FXD CAR 1.2kN $\pm 5\%$ 1/4W
R117	RCB-AH150-1	RD25S150N	R: FXD CAR 150N $\pm 5\%$ 1/4W
R118	RCB-AH3R3K-1	RD25S3.3KN	R: FXD CAR 3.3kN $\pm 5\%$ 1/4W
R119	RCB-AH18K-1	RD25S18KN	R: FXD CAR 18kN $\pm 5\%$ 1/4W
R120	RVR-CB50K-1	RJ6P50KN	R: VAR CERMET 50kN
R121	RCB-AH1K-1	RD25S1KN	R: FXD CAR 1kN $\pm 5\%$ 1/4W

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
R122	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R123	RVR-CB100K-1	RJ6P100KQ	R: VAR CERMET 100kΩ
R124	RCB-AH1K-1	RD25S1KQJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
R125	RCB-AH82K-1	RD25S82KQJ	R: FXD CAR 82kΩ $\pm 5\%$ 1/4W
R126	RCB-AH820-1	RD25S820QJ	R: FXD CAR 820Ω $\pm 5\%$ 1/4W
R127	RCB-AH27K-1	RD25S27KQJ	R: FXD CAR 27kΩ $\pm 5\%$ 1/4W
R128	RVR-CB100K-1	RJ6P100KQ	R: VAR CERMET 100kΩ
R129	RCB-AH820-1	RD25S820QJ	R: FXD CAR 820Ω $\pm 5\%$ 1/4W
R130	RCB-AH82K-1	RD25S82KQJ	R: FXD CAR 82kΩ $\pm 5\%$ 1/4W
R131	RCB-AH820-1	RD25S820QJ	R: FXD CAR 820Ω $\pm 5\%$ 1/4W
R132	RCB-AH47K-1	RD25S47KQJ	R: FXD CAR 47kΩ $\pm 5\%$ 1/4W
R133	RVR-CB100K-1	RJ6P100KQ	R: VAR CERMET 100kΩ
R134	RCB-AH680-1	RD25S680QJ	R: FXD CAR 680Ω $\pm 5\%$ 1/4W
R135	RCB-AH100K-1	RD25S100KQJ	R: FXD CAR 100kΩ $\pm 5\%$ 1/4W
R136	RCB-AH680-1	RD25S680QJ	R: FXD CAR 680Ω $\pm 5\%$ 1/4W
R137	RCB-AH47K-1	RD25S47KQJ	R: FXD CAR 47kΩ $\pm 5\%$ 1/4W
R138	RVR-CB100K-1	RJ6P100KQ	R: VAR CERMET 100kΩ
R139	RCB-AH820-1	RD25S820QJ	R: FXD CAR 820Ω $\pm 5\%$ 1/4W
R140	RCB-AH100-1	RD25S100QJ	R: FXD CAR 100Ω $\pm 5\%$ 1/4W
C151	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF ± 80 , -20% 50V
C152	CCK-AB100U16V-1	16VB100	C: FXD ELECT 100μF 16V
C153	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF ± 80 , -20% 50V
C154	CMC-AC1000PR3K-2	DM15D102J3	C: FXD DIPPED MICA 1000pF $\pm 5\%$ 300V
C155	CMC-AC1000PR3K-2	DM15D102J3	C: FXD DIPPED MICA 1000pF $\pm 5\%$ 300V
C156	CFM-AE100P50V-1	CQ-08-S1H101J	C: FXD Styrol 100pF $\pm 5\%$ 50V
C157	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF ± 80 , -20% 50V
C158	CCK-AB100U16V-1	16VB100	C: FXD ELECT 100μF 16V
C159	CFM-AE100P50V-1	CQ-08-S1H221J	C: FXD Styrol 100pF $\pm 5\%$ 50V
C160	CMC-AB330PR3K-4	DM10D331J3	C: FXD DIPPED MICA 330pF $\pm 5\%$ 300V
C161	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF ± 80 , -20% 50V
C162	CMC-AB330PR3K-4	DM10D331J3	C: FXD DIPPED MICA 330pF $\pm 5\%$ 300V
C163 thru C165	CSM-ACR1U50V-1	0.01UF50WV	C: FXD CER 0.01μF ± 80 , -20% 50V
C166	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF ± 80 , -20% 50V
C167	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF ± 80 , -20% 50V
C168	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF ± 80 , -20% 50V
C169 thru C171	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF ± 80 , -20% 50V
C172	CSM-AC680P50V-1	680PF50WV	C: FXD CER 680pF $\pm 10\%$ 50V
C173 thru C175	CSM-AC1500P50V-1	0.0015UF50WV	C: FXD CER 0.0015μF $\pm 20\%$ 50V
C176	CSM-AC680P50V-1	680PF50WV	C: FXD CER 680pF $\pm 10\%$ 50V
C177	CCK-AB10U25V-1	25VB10	C: FXD ELECT 10μF 25V
C178	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF ± 80 , -20% 50V
C179	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
C180	CTM-AC10P-1	ECV-1ZW10X32	C: VAR CER 10pF

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
C181	CMC-AB7PR5K-6	DM10C070K5	C: FXD DIPPED MICA 7pF $\pm 10\%$ 500V
C182	CMC-AB10PR5K-6	DM10C100K5	C: FXD DIPPED MICA 10pF $\pm 10\%$ 500V
C183	CMC-AB10PR5K-6	DM10C100K5	C: FXD DIPPED MICA 10pF $\pm 10\%$ 500V
C184	CTM-AC10P-1	ECV-12W10X32	C: VAR CER 10pF
C185	CTM-AC10P-1	ECV-12W10X32	C: VAR CER 10pF
C186	CTM-AB10P-1	ECV-12W10X31	C: VAR CER 10pF
C187	CTM-AB10P-1	ECV-12W10X31	C: VAR CER 10pF
C188	CSM-AC1000P50V-1	0.001UF50WV	C: FXD CER 0.001 μ F +80, -20% 50V
C189	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C190	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
C191	CTM-AB10P-1	ECV-12W10X31	C: VAR CER 10pF
C192	CTM-AB10P-1	ECV-12W10X31	C: VAR CER 10pF
C193	CSM-AC1000P50V-1	0.001UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C194	CSM-AC1000P50V-1	0.001UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C195	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
C196	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C197	CSM-AC1000P50V-1	0.001UF50WV	C: FXD CER 0.001 μ F +80, -20% 50V
C198	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C199	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
G200	CTM-AB10P-1	ECV-12W10X31	C: VAR CER 10pF
G201	CTM-AB10P-1	ECV-12W10X31	C: VAR CER 10pF
G202	CSM-AC1000P50V-1	0.001UF50WV	C: FXD CER 0.001 μ F +80, -20% 50V
G203	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
G204	CEE-AB4700P50V-1	BLM1H472NA	C: FXD BL 4700pF 50V
G205	CTM-AC10P-1	ECV-12W10X32	C: VAR CER 10pF
G206	CMC-AB20PR5K-6	DM10C200K5	C: FXD DIPPED MICA 20pF $\pm 10\%$ 500V
G207	CSM-AC1000P50V-1	0.001UF50WV	C: FXD CER 0.001 μ F +80, -20% 50V
G208	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047 μ F +80, -20% 50V
G209	CSM-AC33P50V-1	33PF50WV	C: FXD CER 33pF $\pm 10\%$ 50V
G210	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
G211	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
G212	CSM-AC33P50V-1	33PF50WV	C: FXD CER 33pF $\pm 10\%$ 50V
G213	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
G214	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
G215	CSM-AC33P50V-1	33PF50WV	C: FXD CER 33pF $\pm 10\%$ 50V
G216 thru G218	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
G219	CTA-AE2R2U20V-1	NP20ST2R2	C: FXD ELECT TANTAL 2.2 μ F 20V
G220	CCK-AB22U16V-1	16VB22	C: FXD ELECT 22 μ F 16V
G221	CCK-AB33U16V-1	10VB33	C: FXD ELECT 33 μ F 10V
G222	CCK-AB33U25V-1	25VB33	C: FXD ELECT 33 μ F 25V
G223	CCK-AB33U25V-1	25VB33	C: FXD ELECT 33 μ F 25V
L231	LCL-C00010-1	CSL0609-181K	L: FXD Coil
L232	LCL-A00075-1	LS35	L: FXD Coil
L233	LCL-B00371-1	TPF0410-330K	L: FXD Coil
L234	LCL-C00010-1	CSL0609-181K	L: FXD Coil

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
L235 thru L238	LCL-B00364-1	TPF0410-2R2K	L: FXD Coil
L239	LCL-A00064-1	LS22	L: FXD Coil
L240	LCL-A00067-1	LS25	L: FXD Coil
L241	LCL-A00065-1	LS23	L: FXD Coil
L242	LCL-B00038B-1		L: FXD Coil
L243	LCL-B00038B-1		L: FXD Coil
L244	LCL-B00366-1	TPF0410-4R7K	L: FXD Coil
L245	LCL-B00038B-1		L: FXD Coil
L246	LCL-A00061-1	LS19	L: FXD Coil
L247	LCL-A00059-1	LS17	L: FXD Coil
L248	LCL-B00495-1	TPF0410-391K	L: FXD Coil
L249	LCL-A00069-1	LS27	L: FXD Coil
T251	LTP-000270-1	TP865A	Transformer
T252	LTP-000270-1	TP865A	Transformer
X256	DXD-000147-1	XU-046	Crystal
K261	KRL-000293-1	NR-H-12V	Relay
J266	JCP-AA006PX03	A-1306	Connector

TR4114/T/H/HT
LOCAL CONTROL
PH262

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
IC1	SIA-308A-1	LM308AH	IC: Operational Amplifier
IC2		LM301AH	IC: Operational Amplifier
IC3	SIA-324-1	LM324N	IC: Quadruple Operational Amplifier
IC4 thru IC7		LM301AH	IC: Operational Amplifier
IC8	SIT-7407-2	HD7407P	IC: Hex Buffer/Driver with Open Collector High-Voltage output
Q11	STP-2SA1015-1	2SA1015	Transistor SI PNP
Q12	STP-2SA603-1	2SA603H	Transistor SI PNP
Q13	STN-2SD92-1	2SD92	Transistor SI NPN
Q14	STN-2SC641-1	2SC641	Transistor SI NPN
Q15	SFN-2N4393-18	2N4393	FET Junction N-Channel
Q16	SFN-2N4393-18	2N4393	FET Junction N-Channel
Q17	STP-2SA473-1	2SA473	Transistor SI PNP
Q18	SFN-2N4393-18	2N4393	FET Junction N-Channel
Q19	STP-2SA603-1	2SA603H	Transistor SI PNP
Q20	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
Q21	SFM-3SJ11-1	3SJ11A	FET Junction N-Channel
Q22	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
Q23	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
Q24	STP-2SA1015-1	2SA1015	Transistor SI PNP
Q25	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
Q26	STP-2SA1015-1	2SA1015	Transistor SI PNP
Q27	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
D31	SDZ-1S2191-2	1S2192	Diode SI
D32	SDS-1S953-1	1S953	Diode SI
D33	SDS-1S953-1	1S953	Diode SI
D34	SDZ-H4-8	RD-3.9E	Zener Diode
D35	SDZ-H4-8	RD-3.9E	Zener Diode
D36 thru D43	SDS-1S953-1	1S953	Diode SI
D44	SDZ-W100-1	WZ-100	Zener Diode
R51	RMF-AR6R8KFK-1	SN14K2E6.8K Ω F	R: FXD Metal FLM 6.8k Ω $\pm$ 1% 1/4W
R52	RVR-BD2K-1	X6S2K Ω	R: VAR WW 2k Ω
R53	RMF-AR3R9KFK-1	SN14K2E3.9K Ω F	R: FXD Metal FLM 3.9k Ω $\pm$ 1% 1/4W
R54	RMF-AR620QFK-1	SN14K2E620 Ω F	R: FXD Metal FLM 620 Ω $\pm$ 1% 1/4W
R55	RMF-AS330QFK-1	SN14K2H330 Ω F	R: FXD Metal FLM 330 Ω $\pm$ 1% 1/2W
R56	RVR-BD100-1	X6S100 Ω	R: VAR WW 100 Ω
R57	RMF-AR330QFK-1	SN14K2E330 Ω F	R: FXD Metal FLM 330 Ω $\pm$ 1% 1/4W
R58	RCB-AH2R2K-1	RD25S2.2K Ω J	R: FXD CAR 2.2k Ω $\pm$ 5% 1/4W
R59	RCB-AH220K-1	RD25S220K Ω J	R: FXD CAR 220k Ω $\pm$ 5% 1/4W
R60	RMF-AR6R8KFK-1	SN14K2E6.8K Ω F	R: FXD Metal FLM 6.8k Ω $\pm$ 1% 1/4W
R61	RVR-BD2K-1	X6S2K Ω	R: VAR WW 2k Ω
R62	RMF-AR2R2KFK-1	SN14K2E2.2K Ω F	R: FXD Metal FLM 2.2k Ω $\pm$ 1% 1/4W
R63	RCB-AH220-1	RD25S220 Ω J	R: FXD CAR 220 Ω $\pm$ 5% 1/4W

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Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
R64	RCB-AH4R7K-1	RD25S4.7KΩJ	R: FXD CAR 4.7kΩ $\pm 5\%$ 1/4W
R65	RCB-AH820K-1	RD25S820KΩJ	R: FXD CAR 820kΩ $\pm 5\%$ 1/4W
R66	RCB-AH100K-1	RD25S100KΩJ	R: FXD CAR 100kΩ $\pm 5\%$ 1/4W
R67	RMF-AR5R1KFK-1	SN14K2E5.1KΩF	R: FXD Metal FLM 5.1kΩ $\pm 1\%$ 1/4W
R68	RCB-AH2R2K-1	RD25S2.2KΩJ	R: FXD CAR 2.2kΩ $\pm 5\%$ 1/4W
R69	RMF-AR5R6KFK-1	SN14K2E5.6KΩF	R: FXD Metal FLM 5.6kΩ $\pm 1\%$ 1/4W
R70	RMF-AR15KFK-1	SN14K2E15KΩF	R: FXD Metal FLM 15kΩ $\pm 1\%$ 1/4W
R71	RMF-ADRI5KFK-1	SN14K2E15KΩF	R: FXD Metal FM 15kΩ $\pm 1\%$ 1/4W
R72	RCB-AH100K-1	RD25S100KΩJ	R: FXD CAR 100kΩ $\pm 5\%$ 1/4W
R73	RMF-AR10K-1	SN14K2E10KΩF	R: FXD Metal FLM 10kΩ $\pm 1\%$ 1/4W
R74	RCB-AF68-1	RD1S68ΩJ	R: FXD CAR 68Ω $\pm 5\%$ 1W
R75	RCB-AH1K-1	RD25S1KΩJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
R76	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R77	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R78	RMF-AR1R5KFK-1	SN14K2E1.5KΩF	R: FXD Metal FLM 1.5kΩ $\pm 1\%$ 1/4W
R79	RVR-BD500-1	X6S500Ω	R: VAR WW 500Ω
R80	RMF-AR2R49KFK-1	SN14K2E2.49KΩF	R: FXD Metal FLM 2.49kΩ $\pm 1\%$ 1/4W
R81	RCB-AH22K-1	RD25S22KΩJ	R: FXD CAR 22kΩ $\pm 5\%$ 1/4W
R82	RCB-AH6R8K-1	RD25S6.8KΩJ	R: FXD CAR 6.8kΩ $\pm 5\%$ 1/4W
R83	RCB-AH6R8K-1	RD25S6.8KΩJ	R: FXD CAR 6.8kΩ $\pm 5\%$ 1/4W
R84	RCB-AH680-1	RD25S680ΩJ	R: FXD CAR 680Ω $\pm 5\%$ 1/4W
R85	RCB-AK33-1	RD50S33ΩJ	R: FXD CAR 33Ω $\pm 5\%$ 1/2W
R86	RCB-AH100-1	RD25S100ΩJ	R: FXD CAR 100Ω $\pm 5\%$ 1/4W
R87	RCB-AH33K-1	RD25S33KΩJ	R: FXD CAR 33kΩ $\pm 5\%$ 1/4W
R88	RCB-AH10-1	RD25S10ΩJ	R: FXD CAR 10Ω $\pm 5\%$ 1/4W
R89	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R90	RCB-AH33K-1	RD25S33KΩJ	R: FXD CAR 33kΩ $\pm 5\%$ 1/4W
R91 thru R93	RMF-AG150QFG-1	RN70E150ΩF	R: FXD Metal FLM 150Ω $\pm 1\%$ 1/2W
R94	RCB-AH330-1	RD25S330ΩJ	R: FXD CAR 330Ω $\pm 5\%$ 1/4W
R95	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R96	RCB-AH470-1	RD25S470ΩJ	R: FXD CAR 470Ω $\pm 5\%$ 1/4W
R97	RCB-AH33K-1	RD25S33KΩJ	R: FXD CAR 33kΩ $\pm 5\%$ 1/4W
R98	RMF-AR9R1KFK-1	SN14K2E9.1KΩF	R: FXD Metal FLM 9.1kΩ $\pm 1\%$ 1/4W
R99	RMF-AR4R7KFK-1	SN14K2E4.7KΩF	R: FXD Metal FLM 4.7kΩ $\pm 1\%$ 1/4W
R100	RMF-AR10KFK-1	SN14K2E10KΩF	R: FXD Metal FLM 10kΩ $\pm 1\%$ 1/4W
R101	RVR-BD2K-1	X6S2KΩ	R: VAR WW 2kΩ
R102	RCB-AH1K-1	RD25S1KΩJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
R103			Not assigned
R104	RMF-AR5R6KFK-1	SN14K2E5.6KΩF	R: FXD Metal FLM 5.6kΩ $\pm 1\%$ 1/4W
R105	RMF-AR10KFK-1	SN14K2E10KΩF	R: FXD Metal FLM 10kΩ $\pm 1\%$ 1/4W
R106	RCB-AH10K-1	RD25S10KΩJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R107	RCB-AD1R5M-2	HT1/2 1.5MΩK	R: FXD CAR 1.5MΩ $\pm 10\%$ 1/2W
R108	RCB-AH4R7K-1	RD25S4.7KΩJ	R: FXD CAR 4.7kΩ $\pm 5\%$ 1/4W
R109	RMF-AR15KFK-1	SN14K2E15KΩF	R: FXD Metal FLM 15kΩ $\pm 1\%$ 1/4W
R110	RVR-BD500-1	X6S500Ω	R: VAR WW 500Ω
R111	RMF-AR1R8KFK-1	SN14K2E1.8KΩF	R: FXD Metal FLM 1.8kΩ $\pm 1\%$ 1/4W
R112	RMF-AR10KFK-1	SN14K2E10KΩF	R: FXD Metal FLM 10kΩ $\pm 1\%$ 1/4W

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Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
RI13	RMF-AR7R5KFK-1	SN14K2E7.5KQF	R: FXD Metal FLM 7.5kΩ $\pm 1\%$ 1/4W
RI14	RVR-BD2K-1	X6S2KQ	R: VAR WW 2kΩ
RI15	RMF-AR10KFK-1	SN14K2E10KQF	R: FXD Metal FLM 10kΩ $\pm 1\%$ 1/4W
RI16 thru RI18	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
RI19	RCB-AH4R7K-1	RD25S4.7KQJ	R: FXD CAR 4.7kΩ $\pm 5\%$ 1/4W
RI20	RCB-AH22K-1	RD25S22KQJ	R: FXD CAR 22kΩ $\pm 5\%$ 1/4W
RI21	RCB-AH15K-1	RD25S15KQJ	R: FXD CAR 15kΩ $\pm 5\%$ 1/4W
RI22	RCB-AH15K-1	RD25S15KQJ	R: FXD CAR 15kΩ $\pm 5\%$ 1/4W
RI23	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
RI24	RCB-AH22K-1	RD25S22KQJ	R: FXD CAR 22kΩ $\pm 5\%$ 1/4W
RI25	RCB-AH1K-1	RD25S1KQJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
RI26	RCB-AH15K-1	RD25S15KQJ	R: FXD CAR 15kΩ $\pm 5\%$ 1/4W
RI27	RCB-AH15K-1	RD25S15KQJ	R: FXD CAR 15kΩ $\pm 5\%$ 1/4W
RI28	RAY-AA10K4-1	TMR4-103	R: RXD COM 10kΩ
RI29	RMF-AR3R6KFK-1	SN14K2E3.6KQF	R: FXD Metal FLM 3.6kΩ $\pm 1\%$ 1/4W
RI30	RMF-AR3R6KFK-1	SN14K2E3.6KQF	R: FXD Metal FLM 3.6kΩ $\pm 1\%$ 1/4W
RI31	RCB-AH47K-1	RD25S47KQJ	R: FXD CAR 47kΩ $\pm 5\%$ 1/4W
RI32	RCB-AH6R8K-1	RD25S6.8KQJ	R: FXD CAR 6.8kΩ $\pm 5\%$ 1/4W
RI33	RVR-BD10K-1	X6S10KQ	R: VAR WW 10kΩ
RI34	RCB-AH56K-1	RD25S56KQJ	R: FXD CAR 56kΩ $\pm 5\%$ 1/4W
RI35	RCB-AH39K-1	RD25S39KQJ	R: FXD CAR 39kΩ $\pm 5\%$ 1/4W
RI36	RCB-AH100K-1	RD25S100KQJ	R: FXD CAR 100kΩ $\pm 5\%$ 1/4W
RI37	RCB-AH330-1	RD25S330QJ	R: FXD CAR 330Ω $\pm 5\%$ 1/4W
RI38	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
RI39	RCB-AH22K-1	RD25S22KQJ	R: FXD CAR 22kΩ $\pm 5\%$ 1/4W
RI40	RCB-AH33K-1	RD25S33KQJ	R: FXD CAR 33kΩ $\pm 5\%$ 1/4W
RI41	RCC-AH47K-1	RD25S47KQJ	R: FXD CAR 47kΩ $\pm 5\%$ 1/4W
RI42	RCB-AH6R8K-1	RD25S6.8KQJ	R: FXD CAR 6.8kΩ $\pm 5\%$ 1/4W
RI43	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
RI44	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
RI45	RCB-AH1K-1	RD25S1KQJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
RI46	RCB-AH22K-1	RD25S22KQJ	R: FXD CAR 22kΩ $\pm 5\%$ 1/4W
RI47	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
RI48	RCB-AH22K-1	RD25S22KQJ	R: FXD CAR 22kΩ $\pm 5\%$ 1/4W
RI49	RCB-AH33K-1	RD25S33KQJ	R: FXD CAR 33kΩ $\pm 5\%$ 1/4W
RI50	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
RI51	RCB-AH100-1	RD25S 100QJ	R: FXD CAR 100Ω $\pm 5\%$ 1/4W
RI52	RCB-AH5R6K-1	RD25S5.6KQJ	R: FXD CAR 5.6kΩ $\pm 5\%$ 1/4W
RI53	RCB-AH8R2K-1	RD25S8.2KQJ	R: FXD CAR 8.2kΩ $\pm 5\%$ 1/4W
RI54	RVR-BD10K-1	X6S10KQ	R: VAR WW 10kΩ
RI55 thru RI57	RCB-AH1K-1	RD25S1KQJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
RI58	RCB-AH8R2K-1	RD25S 8.2KQJ	R: FXD CAR 8.2kΩ $\pm 5\%$ 1/4W
RI59	RCB-AH100K-1	RD25S100KQJ	R: FXD CAR 100kΩ $\pm 5\%$ 1/4W
RI60	RCB-AH22K-1	RD25S 22KQJ	R: FXD CAR 22kΩ $\pm 5\%$ 1/4W
RI61	RCB-AH1K-1	RD25S1KQJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
RI62	RCB-AH1K-1	RD25S 1KQJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W

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Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
R163	RCB-AH820-1	RD25S820NJ	R: FXD CAR 820Ω $\pm 5\%$ 1/4W
R164	RCB-AH680-1	RD25S680NJ	R: FXD CAR 680Ω $\pm 5\%$ 1/4W
C171	CCK-AB10U25V-1	25VB10	C: FXD ELECT 10μF 25V
C172	CCK-AB10U25V-1	25VB10	C: FXD ELECT 10μF 25V
C173	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C174			Not assigned
C175	CSM-AC220P50V-1	220PF50WV	C: FXD CER 220pF $\pm 10\%$ 50V
C176 thru C178	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C179	CSM-ACR047U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C180	CCK-AB33U25V-1	25VB33	C: FXD ELECT 33μF 25V
C181	CCK-AB33U25V-1	25VB33	C: FXD ELECT 33μF 25V
C182	CCK-AA470U25V-1	25T470	C: FXD ELECT 470μF 25V
C183	CSM-AC33P50V-1	33PF50WV	C: FXD CER 33pF $\pm 10\%$ 50V
C184	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C185	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C186	CTA-AE4R7U20V-1	NP20ST4R7	C: FXD ELECT TANTAL Bipolar 4.7μF 20V
C187	CSM-ACR01U50V-1	0.047UF50WV	C: FXD CER 0.047μF +80, -20% 50V
C188	CCK-AB33U16V-1	16VB33	C: FXD ELECT 33μF 16V
C189 thru C194	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C195	CCK-AB47U25V-1	25VB47	C: FXD ELECT 47μF 25V
C196	CCK-AB10U16V-1	16VB10	C: FXD ELECT 10μF 16V
C197	CCK-AB10U16V-1	16VB10	C: FXD ELECT 10μF 16V
C198	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C199	CSM-AC33P50V-1	33PF50WV	C: FXD CER 33pF $\pm 10\%$ 50V
C200	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C201	CSM-ACR01U50V-1	0.01μF50WV	C: FXD CER 0.01μF +80, -20% 50V
C202	CTA-AE4R7U20V-1	NP20ST4R7	C: FXD ELECT TANTAL Bipolar 4.7μF 20V
C203	CTA-AER33U35V-1	NP35STR33	C: FXD ELECT TANTAL Bipolar 33μF 35V
C204	CSM-AC33P50V-1	33PF50WV	C: FXD CER 33pF $\pm 10\%$ 50V
C205	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C206	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C207	CSM-AC47P50V-1	47PF50WV	C: FXD CER 47pF $\pm 10\%$ 50V
C208	CSM-AC33P50V-1	33PF50WV	C: FXD CER 33pF $\pm 10\%$ 50V
C209	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C210	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C211	CSM-AC33P50V-1	33PF50WV	C: FXD CER 33pF $\pm 10\%$ 50V
C212	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C213	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C214	CFM-AC1UR2K-1	431M2003-105K	C: FXD Mylar 1μF $\pm 10\%$ 2kV
C215	CCK-AB33U25V-1	25VB33	C: FXD ELECT 33μF 25V
C216	CCK-AB33U25V-1	25VB33	C: FXD ELECT 33μF 25V
C217	CCK-AB33U10V-1	10VB33	C: FXD ELECT 33μF 10V
L222			

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Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
TM225	JTF-AC001EX02-1	ST-44-97B	Teflon Terminal
TM226	JTF-AC001EX02-1	ST-44-97B	Teflon Terminal
K231	KRR-000299-1	RE0113	Reed Relay
K232	NR-S-12V	KRL-000294-1	Relay
K233	KRS-000005-1	MRR-2	Reed Relay
J237	JCS-AD010PX03-1	PCN6B-10P-2.5DS	Connector
J238	JCP-AA003PX01-1	A-1103	Connector
J239	JCP-AA006PX01-1	A-1106	Connector
J240			Not assigned

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DISPERSION ATTENUATOR
PB416

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
IC1	SIT-7409-2	HD7409P	IC: Quadruple 2-Input AND Gate
IC2	SIT-7409-2	HD7409P	IC: Quadruple 2-Input AND Gate
IC3	SIT-7400-2	HD7400P	IC: Quadruple 2-Input NAND Gate
IC4	SIT-7406-2	HD7406P	IC: Hex Inverter Buffer/Driver
IC5	SIT-7410-2	HD7410P	IC: Triple 3-Input NAND Gate
IC6			Not assigned
IC7	SIT-7417-2	HD7417P	IC: Hex Buffer/Driver with Open Collector High-Voltage output
IC8	SIT-7433-1	SN7433N	IC: Quadruple 2-Input Positive-NOR Buffer with Open-Collector output
IC9	SIT-7406-2	HD7406	IC: Hex Inverter Buffer/Driver
IC10	SIT-7406-2	HD7406P	IC: Hex Inverter Buffer/Driver
IC11	SIT-7420-2	HD7420P	IC: Dual 4-Input NAND Gate
IC12	SIT-7420-2	HD7420P	IC: Dual 4-Input NAND Gate
IC13	SIA-301A-1	LM301A	IC: Operational Amplifier
IC14	SIA-339-1	LM339	IC: Quad Comparator
IC15	SIT-7406-2	HD7406P	IC: Hex Inverter Buffer/Driver
Q21 thru Q25	STN-2SC1815-15	2SC1815GR	Transistor SI NPN
Q26	STP-2SA1015-1	2SA1015	Transistor SI PNP
D31 thru D35	SDS-1S953-1	1S953	Diode SI
R41	RVR-CD50K-1	RJ6X50KΩ	R: VAR CERMET 50kΩ
R42	RVR-CD20K-1	RJ6X20KΩ	R: VAR CERMET 20kΩ
R43	RCB-AH220-1	RD25S220ΩJ	R: FXD CAR 220Ω $\pm 5\%$ 1/4W
R44	RAY-AA10K4-1	TMR4-103	R: FXD COM 10kΩ
R45	RAY-AA10K4-1	TMR4-103	R: FXD COM 10kΩ
R46	RAY-AA10K6-1	TMR6-103	R: FXD COM 10kΩ
R47	RAY-AA10K6-1	TMR6-103	R: FXD COM 10kΩ
R48 thru R51	RAY-AA10K4-1	TMR4-103	R: FXD COM 10kΩ
R52	RCB-AH220-1	RD25S220ΩJ	R: FXD CAR 220Ω $\pm 5\%$ 1/4W
R53	RMF-AR20KFK-1	SN14K2E20KΩF	R: FXD Metal FLM 20kΩ $\pm 1\%$ 1/4W
R54	RMF-AR10KFK-1	SN14K2E10KΩF	R: FXD Metal FLM 10kΩ $\pm 1\%$ 1/4W
R55	RMF-AR6R2KFK-1	SN14K2E6.2KΩF	R: FXD Metal FLM 6.2kΩ $\pm 1\%$ 1/4W
R56	RMF-AR180KFK-1	SN14K2E180KΩF	R: FXD Metal FLM 180kΩ $\pm 1\%$ 1/4W
R57	RMF-AR2KFK-1	SN14K2E2KΩF	R: FXD Metal FLM 2kΩ $\pm 1\%$ 1/4W
R58	RMF-AR1KFK-1	SN14K2E1KΩF	R: FXD Metal FLM 1kΩ $\pm 1\%$ 1/4W
R59	RMF-AR620FK-1	SN14K2E620ΩF	R: FXD Metal FLM 620Ω $\pm 1\%$ 1/4W
R60	RMF-AR18KFK-1	SN14K2E18KΩF	R: FXD Metal FLM 18kΩ $\pm 1\%$ 1/4W
R61	RMF-AR200FK-1	SN14K2E200ΩF	R: FXD Metal FLM 200Ω $\pm 1\%$ 1/4W
R62	RMF-AR100FK-1	SN14K2E100ΩF	R: FXD Metal FLM 100Ω $\pm 1\%$ 1/4W
R63	RMF-AR62FK-1	SN14K2E62ΩF	R: FXD Metal FLM 62Ω $\pm 1\%$ 1/4W
R64	RMF-AR18KFK-1	SN14K2E1.8KΩF	R: FXD Metal FLM 1.8kΩ $\pm 1\%$ 1/4W

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DISPERSION ATTENUATOR
PB416

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
R65	RMF-AR43FK-1	SN14K2E43QF	R: FXD Metal FLM 43Ω $\pm 1\%$ 1/4W
R66	RMF-AR560FK-1	SN14K2E560QF	R: FXD Metal FLM 560Ω $\pm 1\%$ 1/4W
R67	RMF-AR560FK-1	SN14K2E560QF	R: FXD Metal FLM 560Ω $\pm 1\%$ 1/4W
R68	RCB-AH470K-1	RD25S470KQJ	R: FXD CAR 470kΩ $\pm 5\%$ 1/4W
R69	RCB-AH82K-1	RD25S82KQJ	R: FXD CAR 82kΩ $\pm 5\%$ 1/4W
R70	RCB-AH82K-1	RD25S82KQJ	R: FXD CAR 82kΩ $\pm 5\%$ 1/4W
R71	RCB-AH47K-1	RD25S47KQJ	R: FXD CAR 47kΩ $\pm 5\%$ 1/4W
R72	PCB-AH47K-1	RD25S47KQJ	R: FXD CAR 47kΩ $\pm 5\%$ 1/4W
R73	RMF-AR10KFK-1	SN14K2E10KQF	R: FXD Metal FLM 10kΩ $\pm 1\%$ 1/4W
R74	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R75	RCB-AH3R3K-1	RD25S3.3KQJ	R: FXD CAR 3.3kΩ $\pm 5\%$ 1/4W
R76	RCB-AH3K-1	RD25S33KQJ	R: FXD CAR 33kΩ $\pm 5\%$ 1/4W
R77	PCB-AH470K-1	RD25S470KQJ	R: FXD CAR 470kΩ $\pm 5\%$ 1/4W
R78	PCB-AH1K-1	RD25S1KQJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
R79	RCB-AH5R1K-1	RD25S5.1KQJ	R: FXD CAR 5.1kΩ $\pm 5\%$ 1/4W
R80	RVR-CD1K-1	RJ6X1KQ	R: VAR CERMET 1kΩ
R81	RVR-CD5K-1	RJ6X5KQ	R: VAR CERMET 5kΩ
R82	RCB-AH39K-1	RD25S39KQJ	R: FXD CAR 39kΩ $\pm 5\%$ 1/4W
R83	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R84	RCB-AH1K-1	RD25S1KQJ	R: FXD CAR 1kΩ $\pm 5\%$ 1/4W
R85	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R86	RCB-AH220-1	RD25S220QJ	R: FXD CAR 220Ω $\pm 5\%$ 1/4W
R87	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R88	RMF-AR6R8KFK-1	SN14K2E6.8KQF	R: FXD Metal FLM 6.8kΩ $\pm 1\%$ 1/4W
R89	RVR-CD1K-1	RJ6X1KQ	R: VAR CERMET 1kΩ
R90	RMF-AR4R3KFK-1	SN14K2E4.3KQF	R: FXD Metal FLM 4.3kΩ $\pm 1\%$ 1/4W
R91	RCB-AH5R6K-1	RD25S5.6KQJ	R: FXD CAR 5.6kΩ $\pm 5\%$ 1/4W
R92	RCB-AH5R6K-1	RD25S5.6KQJ	R: FXD CAR 5.6kΩ $\pm 5\%$ 1/4W
R93	RMF-AR4R3KFK-1	SN14K2E4.3KQF	R: FXD Metal FLM 4.3kΩ $\pm 1\%$ 1/4W
R94	RVR-CD1K-1	RJ6X1KQ	R: VAR CERMET 1kΩ
R95	RMF-AR10KFK-1	SN14K2E10KQF	R: FXD Metal FLM 10kΩ $\pm 1\%$ 1/4W
R96	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R97	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
R98			Not assigned
R99	RCB-AH2R2K-1	RD25S2.2KQJ	R: FXD CAR 2.2kΩ $\pm 5\%$ 1/4W
R100	RMF-AR18KFK-1	SN14K2E18KQF	R: FXD Metal FLM 18kΩ $\pm 1\%$ 1/4W
R101	RCB-AH3R3K-1	RD25S3.3KQJ	R: FXD CAR 3.3kΩ $\pm 5\%$ 1/4W
R102	RCB-AH10K-1	RD25S10KQJ	R: FXD CAR 10kΩ $\pm 5\%$ 1/4W
C106 thru C109	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01μF +80, -20% 50V
C110	CSM-AC33P50V-1	33PF50WV	C: FXD CER 33pF $\pm 10\%$ 50V
C111 thru C115	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01F +80, -20% 50V
C116 thru C119	CCK-AB10U25V-1	25VB10	C: FXD ELECT 10μF 25V
C120	CCK-AB47U16V-1	16VB47	C: FXD ELECT 47μF 16V

TR4114/T/H/HT
DISPERSION ATTENUATOR
PB416

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
L126	LCL-C00010-1	CSL0609-181K	L: FXD Coil
L127	LCL-C00010-1	CSL0609-181K	L: FXD Coil
K131 thru K141	KRR-000276-2	RRD5 1A05D	Relay
K142	KRL-000293-1	NR-H-12V	Relay
K143	KRL-000293-1	NR-H-12V	Relay
K144	KRR-000299-1	RE0113	Relay

TR4114/T/H/HT
Freq. DISPLAY UNIT
SG267

Parts No.	Takeda Riken Stock No.	Mfr Stock No.	Description
IC1	SIA-ADC7107-1	ICL7107CPL	IC: 3 1/2 Digit A/D Converter
D6	NLD-000025-1	TLR314	Light Emitting Diode
D7 thru D9	NLD-000024-1	TLR313	Light Emitting Diode
R11	RCB-AH100K-1	RD25S100KQJ	R: FXD CAR 100k Ω $\pm$ 5% 1/4W
R12	RCB-AH330K-1	RD25S330KQJ	R: FXD CAR 330k Ω $\pm$ 5% 1/4W
R13	RMF-AR2KFK-1	SN14K2E2KQF	R: FXD Metal FLM 2k Ω $\pm$ 1% 1/4W
R14	RMF-AR18KFK-1	SN14K2E18KQF	R: FXD Metal FLM 18k Ω $\pm$ 1% 1/4W
R15	RCB-AH22K-1	RD25S22KQJ	R: FXD CAR 22k Ω $\pm$ 5% 1/4W
R16	PCB-AH390-1	RD25S390QJ	R: FXD CAR 390 Ω $\pm$ 5% 1/4W
C21	CFM-ACR22UR2K-1	431M2003-224K	C: FXD Polyester FLM 0.22 μ F $\pm$ 10% 2kV
C22	CFM-ABR047U50V-1	501N5002-473K	C: FXD Polyester FLM 0.047 μ F $\pm$ 10% 50V
C23	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C24	CFM-ACR1UR2K-1	431M2003-104K	C: FXD Polyester FLM 0.047 μ F $\pm$ 10% 50V
C25	CMC-AB100PR3K-4	DM10D101J3	C: FXD DIPPED MICA 100 μ F $\pm$ 5% 300V
C26	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C27	CSM-ACR01U50V-1	0.01UF50WV	C: FXD CER 0.01 μ F +80, -20% 50V
C28	CCK-AB10U16V-1	16VB10	C: FXD ELECT 10 μ F 16V
J31	JCS-ADO10PX02-1	PCN6-10PA-2.54DS	Connector
J32	JCP-ARO19PX01-1	1-163740-8	Connector
J33	JCP-ARO19PX01-1	1-163740-8	Connector

WARRANTY

Takeda Riken product is warranted against defects in material and workmanship for a period of one year from the date of delivery to original buyer.

LIMITATION OF WARRANTY

The foregoing warranty shall not apply to defects resulting from improper or inadequate maintenance by buyer, unauthorized modification or misuse, accident or abnormal conditions of operations.

No other warranty is expressed or implied. Takeda Riken specifically disclaims the implied warranties of merchantability and fitness for a particular purpose.

Takeda Riken shall not be liable for any special incidental or consequential damages, whether in contract, tort or otherwise.



SERVICE

During the warranty period, Takeda Riken will, at its option, either repair or replace products which prove to be defective.

When trouble occurs, buyer should contact his local supplier or Takeda Riken giving full details of the problem and the model name and serial number.

For the products returned to Takeda Riken for warranty service, buyer shall prepay shipping and transportation charges to Takeda Riken and Takeda Riken shall pay shipping and transportation charges to return the product to buyer. However, buyer shall pay all charges, duties, and taxes incurred in his country for products returned from Takeda Riken. Repair service and supply of repair parts for a product purchased from Takeda Riken is guaranteed for 7 (seven) years.

CLAIM FOR DAMAGE IN SHIPMENT TO ORIGINAL BUYER

The product should be thoroughly inspected immediately upon original delivery to buyer. All material in the container should be checked against the enclosed packing list or the instruction manual alternatively. Takeda Riken will not be responsible for shortage unless notified immediately.

If the product is damaged in any way, a claim should be filed by the buyer with carrier immediately. (To obtain a quotation to repair shipment damage, contact Takeda Riken or the local supplier.) Final claim and negotiations with the carrier must be completed by buyer.

Takeda Riken Co., Ltd.

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