



SP1900 ELECTRIC MULTIPLE UNITS ELECTRICAL SCHEMATIC TMS SYSTEM CONFIGURATION (12CARS)

BATTERY TH2

8 M21 M21 M22 M22

BECU | DCU U1 | DCU U5 | DCU D1 | DCU D5 |

A/C1 A/C2 PID1 PID6

TCH

18 BATTERY POSITIVE

M23 M24 M24 M24

M22 ()

| BECU | DCU U1 | DCU U5 | DCU

16 CONTROL NEGATIVE

TWH

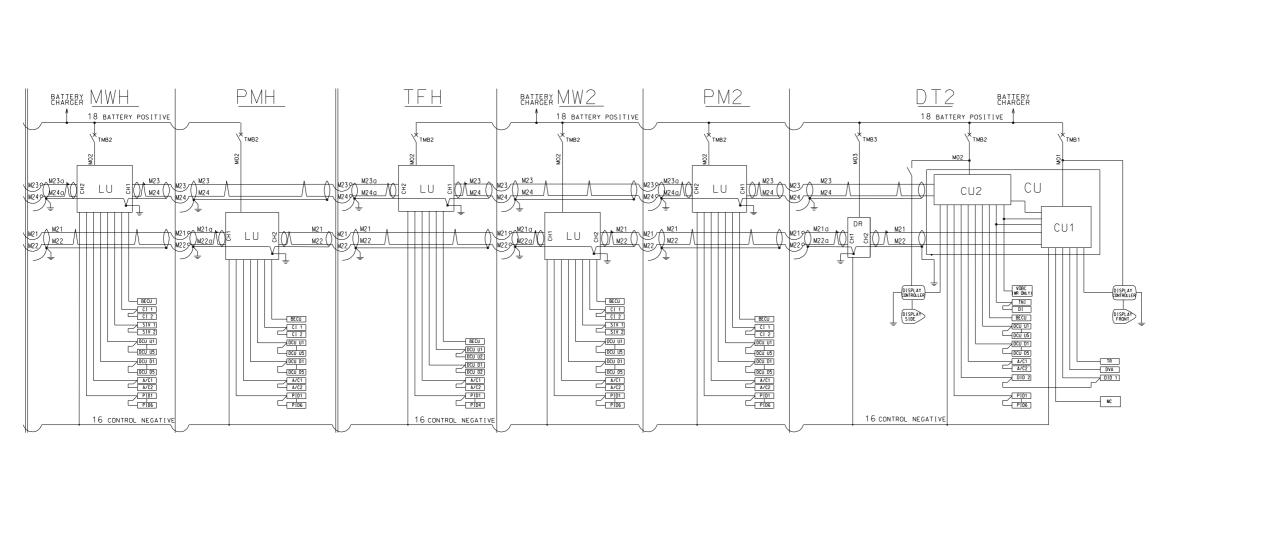
| BECU | DCU U1 | DCU U5 | DCU

						10001	
	KCRC	ER	TH2	А	*	B901	
	KCRC	ER	MWH	Α	*	B901	
	KCRC	ER	PMH	Α	*	B901	
	KCRC	ER	TFH	Α	*	B901	
	KCRC	ER	MW2	Α	*	B901	
	KCRC	ER	DT1	Α	*	B901	
	APPL IED	CAR	CAR TYPE	GROUP	PCS/C	AR GROUP No.	
SCALE		NT	S @ A1				
ORIGINATOR	OR I	GINA	ATOR REFERENCE			ORG REF REV	
KS	1-UB03146-1			С			
DRAWING NUM	BER	SER				REV	
SP1900	AB/>	(H <i>)</i>	/RR/k	(500	00	0	
RAILWAY	LOCAT	ION	STA	GE	SH	EET NO	
	ks drawing num SP1900	SCALE ORIGINATOR ORDINGS DRAWING NUMBER \$ 91900AB \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	KCRC ER KCRC ER KCRC ER KCRC ER KCRC ER RPPLIED CAR SCALE ORIGINATOR ORIGINA KS 1- DRAWING NUMBER SP1900AB/XH/	KCRC ER MWH KCRC ER PMH KCRC ER MW2 KCRC ER MW2 KCRC ER DT1 APPLIED CAR CAR TYPE SCALE NTS @ A1 ORIGINATOR ORIGINATOR REFE KS ORIGINATOR NUMBER SP1900AB/XH/RR/K	KCRC ER MWH A KCRC ER PMH A KCRC ER TFH A KCRC ER MW2 A KCRC ER DT1 A APPLIED CAR CAR TYPE GROUP SCALE ORIGINATOR ORIGINATOR REFERENCE KS DRAWING NUMBER \$\text{SP1900AB/XH/RR/K500}	KCRC ER MWH A * KCRC ER PMH A * KCRC ER TFH A * KCRC ER MW2 A * KCRC ER MW2 A * KCRC ER DT1 A A * APPLIED CAR CAR TYPE GROUP PCS/C SCALE ORIGINATOR ORIGINATOR REFERENCE 1-UB03146-1 DRAWING NUMBER SP1900AB/XH/RR/K5000	

KCRC ER PM1 A * B901 KCRC ER M A * B901

KCRC ER PM2 A * B901 KCRC ER DT2 A * B901 KCRC ER TCH A * B901

ER HTL



DESCRIPTION

DT1

18 BATTERY POSITIVE

/\ M24 | /\

| DISPLAY | DISP

16 CONTROL NEGATIV

26JAN07 SRD K.Y. C.C. FIRST ISSUE
REV DATE BY SUB APP

PID1 PID6

BATTERY CHARGER

CU

VOBC
(IMP ONLY)

TNI

DI

TR

OVA

DID 1

MC MC

CU2

CU1

DISPLAY CONTROLLER DISPLAY FRONT

DESCRIPTION

PM1

BATTERY CHARGER

| BECU | Ci 1 | Ci 2 | DEU U1 | DEU U5 | DEU U5

18 BATTERY POSITIVE

SIV 2

OCU U5

DCU D1

DCU D5

A/C1

A/C2

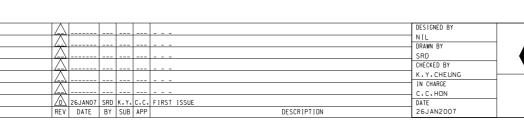
P101

P106

16 CONTROL NEGATIVE

M21a M21 M21 M22 M22 M22

M23 M23 M24 D E



DT1

TMB2

18 BATTERY POSITIVE

\<u>√ M22</u>

PID1 PID6

18 BATTERY POSITIVE

16 CONTROL NEGATIVE

M21 / M210 / M210 / E

| BECU | DCU U1 | DCU U5 | DCU

16 CONTROL NEGATIVE

BATTERY MW2

18 BATTERY POSITIVE

/\ M24

BATTERY CHARGER

CU

VOBC
(WR OMLY)

TNI

DI

TR

DVA

DID 1

- MC

TCH

CU2

CU1

O I SPLAY CONTROLLER D I SPLAY FRONT

9M21 /

M239/M23a/ M249/M24a/

DESCRIPTION

PM1

TMB2

M23 / M23 / E

18 BATTERY POSITIVE

M23a / RM23 / M23

M24a \ M24 \ M24

©CU U5

PM2

TMB2

LU

M23 M23 M23 M23 M24 M24 M24

M229 M220

M239/ M230 M249 M240 1 - 1

M21 / M21 / M21 / M21 / M22 /

| BECU | CI 1 | CI 2 | SIV 1 | SIV 2 | DCU U5 | BCU U5 |

DCU D1

| DCU D5 |
| A/C1 |
| A/C2 |
| PID1 |
| PID6 |

BATTERY MHW

M21a | 1 | M21a | M21 | M22a | M22

| SIV 2| | DCU U1 | | DCU U5 | DCU U5 | DCU U5 | DCU U5 | DCU U5 | | DCU U5 | DCU U

16 CONTROL NEGATIVE

T M239

DT2

18 BATTERY POSITIVE

CU2

BATTERY CHARGER

CU

| VOBC | IMP ONLY |
| IMP ONLY |
| TN |
| O |
| BECU |
| DCU U1 |
| DCU U5 |
| DCU 01 |
| DCU 05 |
| A/C1 |
| A/C2 |
| D | D | 2

PID1 PID6

CU1



H22

DISPLAY CONTROLLER DISPLAY SIDE

16 CONTROL NEGATIVE

SP1900 ELECTRIC MULTIPLE UNITS ELECTRICAL SCHEMATIC TMS SYSTEM CONFIGURATION (7CARS)

DISPLAY FRONT

TR DVA DID 1

MC MC

	KCKC	1111	1 1412	_ A			05	١' '
	KCRC	WR	MHW	Α	*		B9	01
	KCRC	WR	TCH	Α	*		B9	01
	KCRC	WR	MW2	Α	*		B90	01
	KCRC	WR	РМ1	А	*		B9	01
	KCRC	WR	DT1	Α	*		В9	01
	APPL IED	CAR	CAR TYPE	GROUP	PCS/C	AR	KS DW Group	G. No.
CALE								
NTS @ A1								
RIGINATOR	ORIGINATOR REFERENCE OF				OR.	G REF	REV	
KS	1-UB03146-2 c							
RAWING NUM	BER						REV	٦
F1900AB/XH/RR/K5001					0			

KCRC WR DT2 A * B901 KCRC WR PM2 A * B901

	APPLIED CAR C	AR TYPE GROUP	PCS/C	AR GROUP N
SCALE				
	NTS	@ A1		
ORIGINATOR	ORIGINAT	ORG REF R		
KS	1 -U6	С		
DRAWING NUM	BER			REV
SP1900	AB/XH/	RR/K50	01	0
RAILWAY	LOCATION	EET NO		
ER	HTL	Z		1