

項	番号	品名・形名・仕様	数量	単価円	金額円
	A1019LR	三端子レギュレータ	50	1,320	66,000
	A1175HR	RELAY	50	4,400	220,000
	A1180HR	〃	50	4,400	220,000
	A1181HR	〃	50	3,080	154,000
	A1182HR	〃	50	3,410	170,500
	A1183MR	〃	50	3,960	198,000
	A1176MR	〃	50	4,620	231,000
	A1328LS	TTL (LS)	40	330	13,200
	A1106LS	〃	40	110	4,400
	A1339LS	〃	40	396	15,840
	A1344LS	〃	40	330	13,200
	A1350LS	〃	40	396	15,840
	A1355LS	〃	40	330	13,200
	A1364LS	〃	40	330	13,200
	A1367LS	〃	40	330	13,200
	A1371LS	〃	40	396	15,840
	A1377LS	〃	40	264	10,560
	A1383LS	〃	40	396	15,840
	A1386LS	〃	40	880	35,200
	A1395LS	〃	40	264	10,560
	A1398LS	〃	40	264	10,560
	A1407LS	〃	40	440	17,600
	A1094LS	〃	40	264	10,560
	A1410LS	〃	40	440	17,600
	A1416LS	〃	40	330	13,200
	A1418LS	〃	40	330	13,200
	A1415LS	〃	40	110	4,400
	A1432LS	〃	40	110	4,400
	A1436LS	〃	30	660	19,800
	A1441LS	〃	40	660	26,400

項	番 号	品 名 ・ 形 名 ・ 仕 様	数 量	単 価 _円	金 額 _円
	A1446LS	TTL (LS)	40	330	13,200
	A1452LS	"	30	440	13,200
	A1069LS	"	40	330	13,200
	A1466LS	"	30	550	16,500
	A1468LS	"	30	550	16,500
	A1090LS	"	30	396	11,880
	A1471LS	"	20	220	4,400
	A1473LS	"	30	440	13,200
	A1477LS	"	30	264	7,920
	A1478LS	"	20	792	15,840
	A1480LS	"	20	880	17,600
	A1482LS	"	20	792	15,840
	A1484LS	"	30	1,056	31,680
	A1486LS	"	30	330	9,900
	A1497LS	"	30	110	3,300
	A1500LS	"	40	330	13,200
	A1138LS	"	20	528	10,560
	A1566LS	"	20	440	8,800
	A1510LS	"	20	880	17,600
	A1516LS	"	20	660	13,200
	A1519LS	"	20	1,100	22,000
	A1522LS	"	20	660	13,200
	A1525LS	"	20	792	15,840
	A1530LS	"	20	550	11,000
	A1534LS	"	20	792	15,840
	A1092LS	"	20	550	11,000
	A1537LS	"	20	1,188	23,760
	A1543LS	"	20	550	11,000
	A1546LS	"	40	330	13,200
	A1551LS	"	30	1,056	31,680
	A1555LS	"	20	880	17,600
	A1561LS	"	20	660	13,200
	A1565LS	"	20	660	13,200
	A1567LS	"	20	3,168	63,360

項	番 号	品 名 ・ 形 名 ・ 仕 様	数 量	単 価 _円	金 額 _円
	A1570LS	TTL (LS)	20	660	13,200
	A1572LS	〃	20	2,530	50,600
	A1578LS	〃	20	880	17,600
	A1582LS	〃	20	880	17,600
	A1586LS	〃	20	660	13,200
	A1596LS	〃	20	1,188	23,760
	A1599LS	〃	20	880	17,600
	A1662LS	〃	20	660	13,200
	A1605LS	〃	20	880	17,600
	A1695LS	〃	20	110	2,200
	A1650LS	〃	20	550	11,000
	A1657LS	〃	20	396	7,920
	A1661LS	〃	20	792	15,840
	A1616LS	〃	20	1,100	22,000
	A1665LS	〃	20	396	7,920
	A1642LS	〃	20	1,100	22,000
	A1674LS	〃	30	660	19,800
	A1675LS	〃	30	440	13,200
	A1654LS	〃	20	1,210	24,200
	A1621LS	〃	20	1,320	26,400
	A1678LS	〃	20	1,540	30,800
	A1681LS	〃	20	660	13,200
	A1631LS	〃	20	1,540	30,800
	A1158LS	〃	20	330	6,600
	A1663LS	〃	20	550	11,000
	A1690LS	〃	20	1,650	33,000
	A1638LS	〃	20	660	13,200
	A1628LS	〃	20	880	17,600
	A1689LS	〃	20	1,584	31,680
	A1606LS	〃	20	440	8,800
		横河電機用部品 合計	一式		JY4,684,020.-

項	番 号	品 名 · 形 名 · 仕 様	数 量	単 価	金 額
2	④	DATRON 部品 4000/A用部品	三式	620,620	1,861,860
	180005	1000microF cap.	3		
	214014	Zener 1V22	3		
	220017	Dual Opto FCD 880	3		
	220020	PAD 100	3		
	220027	Opto HCPL 2601	3		
	220033	Opto HCPL 3700	3		
	230001	7CR506	3		
	230031	SU2656(U404 EQIV)	6		
	239037-1	J108 Selected Set of 4	6		
	239040-1	J175 Selected	3		
	239051-2	U1897	3		
	240027	S1 NPN Trans. HJ 15001	3		
	240031	BD 139	3		
	240035	S1 NPN Darlington. HJ 11016	3		
	240036	S1 NPN Darlington. HJ 1000	3		
	250016	S1 NPN Trans. HJ 2955	3		
	250017	S1 PNP Trans. HJ 15002	3		
	250021	BD140	3		
	250023	S1 PNP Darlington. HJ 11015	3		
	250024	S1 PNP Darlington. HJ 900	3		
	260053	Op Amp. 7650	6		
	280015	Quad latch	3		
	280103	Keyboard/Display I/F	3		
	290090	Darlington Drive ULN 2002A	6		
	330005	Relay 2P2W 5A	3		
	330018-1	Relay 2P2W	6		
	330019-1	Relay 4P2W	6		
	330020	Relay 2P2W 5A	3		
	330029	Relay DS2E-DC	3		
	330030	Relay STDS	6		
	330031	Relay SDS	6		
	400472	Assy.	3		

項	番 号	品 名 ・ 形 名 ・ 仕 様	数 量	単 価 _円	金 額 _円
	400686-1	Terminal(BLACK)	3		
	400687-1	Terminal(RED)	3		
	400688-1	Terminal(BROWN)	3		
	400689-1	Terminal(BLUE)	3		
	400690-1	Terminal(WHITE)	3		
	400691-1	Terminal(GREEN)	3		
	605086	Socket	3		
	700061	Keyboard Sw(Red LED)	6		
	700062	Keyboard Sw(Green LED)	6		
	700065	Switch	3		
	700070	Slide Switch	3		
	700079	Keyboard Sw.	6		
	800017-3	Display	3		
	920101	Lithium Cell	3		
	920120	Fuse 1A	6		
	920127	Fuse 2A	3		
	920128	Fuse 4A	6		
	920098	Fuse 3A	6		
	920107	Fuse 250mA	6		
	920124	Fuse 375mA	6		
	920125	Fuse 2.5A	6		

項	番 号	品 名 ・ 形 名 ・ 仕 様	数 量	単 価 _円	金 額 _円
	③	4200 SPARES KIT	三式	750,750	2,252,250
	920098	Mains fuse(240V operation)	12		
	920114	Mains fuse(110V operation)	12		
	920120	1A picofuse	18		
	920125	2.1/2 A picofuse	12		
	920128	fuse 4A	12		
	920143	fuse 3.15A	12		
	920116	fuse 1A	12		
	330028	relay latching	3		
	330029	relay 2P2W	12		
	330030	relay 4P N/O	12		
	330031	relay 2P N/O 2P N/C	12		
	330032	relay 1P2W	3		
	330012	reed relay	12		
	330033	relay 2P N/O 5A 2KV	3		
	400686	Terminal black	3		
	400687	Terminal red	3		
	400688	Terminal brown	3		
	400689	Terminal blue	3		
	400690	Terminal white	3		
	400691	Terminal green	3		
	240009	Transistor MP5L01	6		
	250009	Transistor 5401	6		
	250011	Transistor BC327	6		
	250004	Transistor 2N3906	6		
	250006	Transistor 2N3904	6		
	250021	Transistor BD140	3		
	240031	Transistor BD139	3		
	240001	Transistor BC184	12		
	250001	Transistor BC214	12		
	240038	Transistor HP318	6		
	250027	Transistor HP351	3		
	240036	Transistor HJ1000	3		
	250024	Transistor HJ900	3		

項	番 号	品 名 ・ 形 名 ・ 仕 様	数 量	単 価 ^円	金 額 ^円
	240021	Transistor BD135	3		
	240030	Transistor BD139	3		
	250019	Transistor BD390	3		
	230063	F. E. T. MTP2N85	6		
	230064	F. E. T. MTP2P50	6		
	230073	F. E. T. MTP1N100	3		
	230003	F. E. T. UI899	6		
	230035	F. E. T. UI897	6		
	239067	F. E. T. MTH2N85 2 x matched pairs	3		
	239068	F. E. T. MTH2P50 2 x matched pairs	3		
	700079	1/2 Switch	6		
	700061	Switch red L.e.d.	6		
	700062	Switch green L.e.d.	3		
	220018	opto 6N136	12		
	220027	opto 2601	3		
	310002	Pulse Transformer	6		
	920096	Buzzer	3		
	800017	Display	3		
	920101	Lithium Cell	3		
	260053	7650 op amp	3		
	180042	3300 F 25V Elec	3		
	180047	1000 F 40V Elec	6		
	920150	Fan	3		
	260046	2525 op amp	3		
	200008	Diode 1V458A	12		
	290090	IC Drives	6		
	②	4000/4200 EXTENDER CARDS	一式		2,086,370
	400642	In-Guard P.S. Extender (4200/4000) Extension Cabling(4200/4000)			
	400643	Out-Guard P.S. Extender(4200/4000) Extension Cabling(4200/4000)			
	400624	Main Extender(4200/4000)			
	400625	Reverse Extender(4200/4000)			

項	番 号	品 名 ・ 形 名 ・ 仕 様	数 量	単 価 _円	金 額 _円
	400646	Reverse Extender Sine Source(4200 only)			
	400645	H.V. Extender(4200 only)			
	400644	38V P.S. Extender(4200 only)			
	400706	P.A. Extension Cabling(4000 only)			
	400712	P.A. Extension Cabling(4200 only)			
	400707	I/G P.S. Extension Cabling			
	400708	O/G P.S. Extension Cables			
	⑥	1281 SPARE PARTS KIT 1281 BASIC KIT	三式	759,330	2,277,990
	008023	0R1 2.5W RES	3		
	008039	0R2 2.5W RES	3		
	090105	100R X 4 RESNET	3		
	104025	100nF CD CAP	9		
	104026	47nF CD CAP	9		
	104030	100pF 4Kv CAP	3		
	150005	202F TANT CAP	3		
	150016	1uF TANT CAP	6		
	150020	10uF TANT CAP	6		
	150021	22uF TANT CAP	3		
	180044	220uF 40v ELECT CAP	3		
	180047	1000uF 40v ELECT CAP	3		
	180048	470uF 63v ELECT CAP	3		
	180054	1uF 63v ELECT CAP	3		
	180055	33uF 63v ELECT CAP	3		
	180059	470uF 25v ELECT CAP	3		
	180061	220uF 63v ELECT CAP	3		
	180062	2200uF 16v ELECT CAP	3		
	180063	100uF 25v ELECT CAP	3		
	200001	1N4148 DIODE	9		
	200002	1N4001 DIODE	3		
	200006	1N4005 DIODE	6		
	200008	1N458A DIODE	9		
	200026	3A 100v DIODE	6		

項	番 号	品 名 · 形 名 · 仕 様	数 量	単 価	金 額
	200027	3A 40V SCHOTTKY DIODE	6		
	200028	1A SCHOTTKY DIODE	6		
	209013	W006 BRIDGE RECT	3		
	209014	W004 BRIDGE RECT	3		
	210027	BZX79C 2V7 ZENER	3		
	210039	BZX79C 3V9 ZENER	6		
	210047	BZX79C 4V7 ZENER	3		
	210051	BZX79C 5V1 ZENER	6		
	210062	BZX79C 6V2 ZENER	6		
	210068	BZX79C 6V8 ZENER	3		
	210100	BZX79C 10V ZENER	3		
	210120	BZX79C 12V ZENER	6		
	210150	BZX79C 15V ZENER	6		
	210270	BZX79C 27V ZENER	3		
	213006	TVS505 TRANSORB DIODE	3		
	213009	TVS515 TRANSORB DIODE	3		
	213011	1V5 ZENER	3		
	213029	BZV85C 20V ZENER	6		
	213030	BZV85C 22V ZENER	6		
	214012	ZN458 2V45 REF	3		
	220010	1N6263 SCHOTTKY DIODE	3		
	220020	PAD 100 DIODE	6		
	220027	HCPL-2601 OPTO	3		
	220030	6N136 OPTO	3		
	220040	DUAL PAD 100 DIODE	3		
	220041	HCPL 2631 OPTO	3		
	220042	C106 SCR	3		
	230023	U401 FET	3		
	230027	-1 U3114 FET	6		
	230055	TCR502 I-LIH FET	3		
	230079	HP845 FET	3		
	230080	J201 FET	3		
	230081	ZVN0106A MOSFET	3		
	230082	VN101M MOSFET	6		

項	番 号	品 名 ・ 形 名 ・ 仕 様	数 量	単 価 ^円	金 額 ^円
	230085	IRF9531 MOSFET	6		
	230088	J505 FET	3		
	230089	J500 I-LIM FET	6		
	239084	-1 J108 X2 SELECTED	3		
	239093	-1 PN4117A SELECTED	3		
	240006	2N3904 TRANSISTOR	6		
	240009	2N5550	9		
	240013	BC184C	3		
	240014	BC337	3		
	240021	BD135	3		
	240029	BC546	3		
	240034	TIP31C	6		
	250008	BC214KC	3		
	250009	2N5401	9		
	250011	BC327	3		
	250013	B0136	3		
	250018	BC556	3		
	250027	HP351	3		
	260027	UA714HC OP AMP	3		
	260037	LH317T REG	3		
	260038	LH337T REG	3		
	260057	NE5534N OP AMP	3		
	260065	OP27FZ OP AMP	3		
	260075	LH2903N COMP	3		
	260080	LH311 COMP	3		
	260082	LTC 1052CN8 OP AMP	3		
	260083	LTC 1052CN OP AMP	3		
	260090	LT1008CN8 OP AMP	3		
	260094	L7815AC REG	3		
	260095	L7915AC REG	3		
	260097	L7805AC REG	3		
	260098	LF441CN OP AMP	3		
	260099	HC 34181 OP AMP	3		
	260101	UC3524A REG	3		

項	番 号	品 名 · 形 名 · 仕 様	数 量	単 価 _円	金 額 _円
	260102	LH317 REG	3		
	270016	7417TTL IC	3		
	270050	74LS04 TTL	3		
	270051	74LS21 TTL	3		
	270054	74LS08 TTL	3		
	270055	74LS20 TTL	3		
	270067	74LS373 TTL	3		
	270072	74LS02 TTL	3		
	270074	74LS27 TTL	3		
	270080	74LS32 TTL	3		
	270088	74LS165 TTL	3		
	270098	74F04 FAST	3		
	270100	SN75160AN IEEE RX/TX	3		
	270101	SN75161AN IEEE RX/TX	3		
	270103	74LS393 TTL	3		
	270104	74LS03 TTL	3		
	270105	74LS260	3		
	270106	UCN4810A DISPLAY DRIVER	3		
	280008	4011 CHOS	3		
	280011	4013 CHOS	3		
	280023	4001 CHOS	3		
	280024	4503 CHOS	3		
	280025	4066 CHOS	3		
	280067	74C922 CHOS	3		
	280068	4538 CHOS	3		
	280093	4070 CHOS	3		
	280106	4504 CHOS	3		
	280132	TX/RX ASIC	3		
	280134	74HCT245 CHOS	3		
	280137	74HCT244 CHOS	3		
	280143	-1 HEF40244BP CHOS	3		
	280149	4555 CHOS	3		
	280150	DG508 HUX	3		
	280151	DG308 SWITCH	3		

項	番 号	品 名 ・ 形 名 ・ 仕 様	数 量	単 価 _円	金 額 _円
	280152	4093 CHOS	3		
	280159	74HCT08 CHOS	3		
	280160	74HCT74 CHOS	3		
	280161	74HCT161 CHOS	3		
	280162	5564-15 SRAM	3		
	280163	74HCT157 CHOS	3		
	280166	74HCT00 CHOS	3		
	280167	DG211 SWITCH	6		
	280170	74HCT02 CHOS	3		
	280176	74HCT390 CHOS	3		
	290161	-1 10L8 PAL PROGRAMMED	3		
	290162	-1 10L8 PAL PROGRAMMED	3		
	330030	S4-24V RELAY	3		
	330038	S2-L6V RELAY	3		
	330039	S4-L6V RELAY	15		
	330041	DS2E L6V RELAY	3		
	330042	-2 S3-L6V RELAY	3		
	400695	-1 DIODE NETWORK	3		
	400696	-1 DIODE NETWORK	3		
	617014	NYLATCH PLUNGER	9		
	617015	NYLATCH GROMMET	9		
	700113	FRONT PANEL SWITCH	6		
	800025	16MHZ XTAL	3		
	800032	4M91520HZ XTAL	3		
	920049	-1 LITHIUM BATTERY	3		
	920071	1.6A 20MH FUSE	9		
	920125	2.5A PICO FUSE	6		
	920203	630mA AS FUSE	9		
	920204	1.25A AS FUSE	9		
	150006	4U7F TANT CAP	3		
	150015	10UF TANT CAP	6		
	150017	100UF TANT CAP	3		
	150025	3U3F TANT CAP	3		
	200022	BY252 DIODE	12		

項	番 号	品 名 ・ 形 名 ・ 仕 様	数 量	単 価 _円	金 額 _円
	210027	BZX79C 2V7 ZENER	3		
	210033	BZX79C 3V3 ZENER	3		
	210051	BZX79C 5V1 ZENER	3		
	210056	BZX79C 5V6 ZENER	3		
	210068	BZX79C 6V8 ZENER	3		
	210075	BZX79C 7V5 ZENER	3		
	210082	BZX79C 8V2 ZENER	3		
	210110	BZX79C 11V ZENER	3		
	213028	6V2 5W ZENER	3		
	213031	1N5350 DIODE	6		
	220043	JPAD100 DIODE	3		
	230001	J506 I-LIH FET	3		
	230002	U1994/J304 FET	9		
	230003	B U1899 FET	6		
	230027	-1 U3114 FET	9		
	230035	U 1897 FET	6		
	230042	TCR510/J509 I-LIH FET	3		
	230056	J212 FET	3		
	230058	TCR504 I-LIH FET	3		
	230070	2N5911 FET	3		
	230071	TCR508 I-LIH FET	3		
	230074	J271 FET	3		
	230083	PR4117A FET	3		
	230086	ZVP2106A MOSFET	3		
	230089	J500 I-LIH FET	3		
	239087	-1 J106 X 2 SELECTED	3		
	239091	-1 VCR4N X 2 SELECTED	3		
	240040	2N5179 TRANSISTOR	3		
	240041	BF374 TRANSISTOR	3		
	260039	LH324 OP AMP	3		
	260049	LH319 COMP	3		
	260073	LF411 OP AMP	3		
	260091	LH339 OP AMP	3		

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計 (続)

16/16T

項	番 号	品 名 · 形 名 · 仕 様	数 量	単 価	金 額
	260103	OP77 OP AMP	3		
	260105	OPA606 OP AMP	3		
	260106	HC34082 OP AMP	3		
	260107	OP07 OP AMP	3		
	260108	LTC1012CN8 OP AMP	3		
	280072	4047 CHOS	3		
	280085	4085 CHOS	3		
	280102	4020 CHOS	3		
	280116	DG509 SWITCH	3		
	280148	74HC138 CHOS	3		
	280152	4093 CHOS	3		
	290077	ULN2004 DRIVER	3		
	290089	XR2203 DRIVER	3		
	290149	ICM7555 TIMER	3		
	290170	-1 RNS KIT	3		
	⑤	1281 OPTION SPARES(contd)	三式	288,860	866,580
	330029	DS2E-DC 24V RELAY	3		
	330031	S2-24V RELAY	3		
	330036	3P NO RELAY	3		
	330046	HE721C24/1 RELAY	3		
	330047	HE721A24/10 RELAY	3		
	330049	-1 REED RELAY	3		
		DATRON用部品	一式		JY9,345,050.-

Spare Parts for Air Conditioning System

Description	Rated value	Manufacturer	Qty
1-Magnet Counter	H 20 AC 220v	HITACHI	5
2-Magnet Conductor	H 8 C AC 220v	=	5
3-Solid State Relay	G3PA-220B Input DC5-24v Load AC100-240v	OMRON	5
4-Timer	H2A-H AC220v 30sec PF 085A	OMRON	5
5-Timer	H2A-H AC220v 30 PF 085 A	OMRON	5
6-Micro Rela	MY2 N AC 220v PYF 08A	OMRON	5
7-Micro Relay	MY 4 N AC220v	OMRON	5

* AC Voltage supply 220V , 50HZ

General Spare Parts needed for NSCL .
The required number 15 pes is of each item per unit

DEVICE PART NO.

MC 14011 BCP	MC 14174 B	MC 14558 B
MC 14093 BCP	MC 14597 B	MC 14493 B
MC 14023 BCP	MC 14599 B	MC 14495 B
MC 14012 B	MC 14035 B	MC 14513 B
MC 14068 B	MC 14194 B	MTM 3 N 60
MC 14001 B	MC 14015 B	MTM 1 N 95
MC14025 B	MC 14021 B	MTP 2 N 85
MC 14000 UB	MC 14034 B	MTP 4 N 50
MC 14002 B	MC 14517 B	MTP 5 N 35
MC 14078 B	MC 14562 B	MTP 10 N 10
MC 14081 B	MC 14024 B	BR X 44
MC 14073 B	MC 14022 B	2 N 2323
MC 14082 B	=====	2 N 5064
MC 14071 B	MC 14017 B	BRX 49
MC 14075 B	MC 14018 B	2 N 2329
MC 14072 B	MC 14160 B	2 N 6237
MC 14070 B	MC 14534 B	2 N 4442
MC 14077 B	MC 14029 B	BRY 55-600
MC 145010 B	MC 14020 B	2 N 6394
MC 14506 B	MC 14040 B	2 N 3669
MC 14506 B	MC 14040 B	2 N 5168
MC 14519 B	MC 14161 B	2 N 6167
MC 14572 UB	MC 14516 B	2 N 6168
MC 14007 UB	MC 14520 B	2 N 5166
MC 14007 UB	MC 14526 B	2 N 5167
MC 14049 UB	MC 14569 B	2 N 4870
MC 14049 UB	MC 14510 B	2 N 2646
MC 14050 UB	MC 14522 B	=====
MC 14069 UB	MC 14518 B	2 N 2647
=====	MC 14554 B	2 N 4852
MC 14502 B	MC 14060 B	2 N 6027
MC 14503 B	MC 14528 B	2 N 6116
MC 14584 B	MC 14538 B	1 N 4001
MC 14093 B	MC 14541 B	1 N 5400
MC 14583 B	MC 14566 B	1 N 1199 B
MC 14584 B	MC 14527 B	1 N 4002
MC 14013 B	MC 14554 B	1 N 5401
MC 14027 B	MC 14028 B	MR 751
MC 14042 B	MC 14514 B	1 N 1200 B
MC 14043 B	MC 14515 B	1 N 4003
MC 14044 B	=====	1 N 5402
MC 14076 B	MC 14555 B	1 N 4004
MC 14175 B	MC 14556 B	1 N 5404
MC 14508 B	MC 14511 B	1 N 4005

1 N 4006
1 N 5407
1 N 4007
1 N 5408
1 N 12068
1 N 1204 B
MR 2000 S
MR 2002 S
1 N 4933
1 N 4935
=====
1 N 4936
MDA 200
MDA 970 A 1
MDA 920 A 2
MDA 920 A 3
MDA 920 A 4
MDA 920 A 6
MDA 201
MDA 970 A 3
MDA 970 A 5
BC 107
2 N 2222 A
2 N 2484
BC 109
BC 177
BC 171
2 N 2906 A
2 N 2907 A
BSW 22 A
BSW 52 A
BC 179
2 N 3227
2 N 2894
BSS 72
BSS 75
=====
2 N 4261
2 N 918
2 N 1893
2 N 3053
BF 257
BF 259
BC 160
BFX 40
2 N 4033
2 N 4405
2 N 4407
2 N 3055 A
2 N 3441

2 N 3442
2 N 3583
2 N 3584
2 N 3715
2 N 3741
=====
4 N 35
TIL 17
H11 B 2
HIL 156
4 N 33
MOC 8021
MRD 500
MRD 510
MRD 300
L 1 4 H 3
MRD 3056
MRD 360
2 N 5779
MFOD 100
MFOD 300
=====
=====
MC 1723 CG
MPS 6520
LF 357 N
MC 78 L - 18 AC P
MC 78 M - 18 C T
MC 7878 A
MC 78 L 24 C P
MC 78 M 24 C T
MC 7824 CT
LM 217 L
MC 1723 CP
LM 317 MR (MT)
LM 317 K
LM 350 K T
LM 337 MR
LM 337 K
M 1468 L
=====
BD 675 A
BN 676 A
BD 679 A
BD 680
2 N 6300
2 N 6298
2 N 3583
2 N 6234
BUX 45

BU 522 A
BUT 50 P
2 N 3715
2 N 3791
2 N 5878
2 N 5876
BD 745 A
BD 746 A
2 N 5633
2 N 6230
2 N 4921
2 N 4918
BD 241
B 4242
BD 243
BD 244
2 N 4922
2 N 4919
=====
MTM 12 N 05
MTM 8 N 12
MTM 3 N 35
MC 14415
MC 14016 B
MC 14053 B
MC 14529 B
MC 14539 B
MC 14051 B
MC 14551 B
MC 14433
MC 14444
MC 144110
MC 14411 P
MC 14573 P
MCM 14505
MCM 14537
MCM 14552
MCM 14524
MCM 5101
MCM 144102
=====
LM 301 AN
LM 308 AN
MC 1439 F 1
MC 1748 C
LF 355 A (BJ)
LF 357 A (h)
MC 1741 NC (CPI)

LM 358 N
MC 1458 C PI
MC 1458 N
LM 1747 C (CP 2)
LM 348 N
MC 4741 C P
MC 78 M 05 C T
MC 7805 C T
MC 340-5 O
MC 78 T 05 C
LM 323
MC 78 M 06 C T
MC 7806 C T
MC 78 T 06 C
MC 78 M 12 C
MC 7812 A
MC 78 M 15 C
LM 340-15
MC 78 T 15 CT

ANNEX (10)

LIST OF BOOKS DELIVERED TO NSCL

List of books arrived from Japan

	Box's Name	Author
1	Japan Electronics Buyers , Guide 1989 E B G, 89 Components Vol. 1	
2	Japan Electronics Buyer's Guide 1989 E B G , 89 Consumer Electronics Vol.2	
3	Japan Electronics Buyer's Guide 1989 E.B.G 89 , professional equipment Vol.3	
4	Japan Electronics Buyer's Guide 1989 E.B.G, 89 office electronics Vol.4	
5	Managing New Product Innovations	William E.Souder
6	Engineering Design for producibility and Reliability	John W.Priest
7	Telecommunication Transmission Hand book 2nd Ed	Roger I.Freeman
8	A Basic Guide to power Electronics	Albert Kloss
9	Illustrated Encyclopedic Dictionary of electronics second edition	John Douglas Young
10	Analog and Digital electronics for scientists third edition	Basil H.Vassos Galen W.Ewing
11	Integrated circuits : Materials , Devices, and fabrication	William C.Till James T.Luxon
12	Logic for Artificial Intelligence	Raymond Turner
13	Measuring the Radio Frequency Environmental	Edward N.Skomal Allbert A.Smith . Jr
14	Moment Methods in Electromagnetics	J.Moore and R.Pizer

15	Circuits and Signals : An Introduction to Linear and Interface Circuits	Roland E.Thomas Albert J.Rosa
16	Hand Book of Industrial Robotics	Shimon Y.Nof
17	Introducing Satellite Communications	G.B.Bleazard
18	Modern Techniques in Metrology	Paul Hewitt
19	Linked Local Area Networks	Alan J.Mayne
20	Control of Electric Machines	Irving L.Koson
21	Being the Boss the Craft of Managing people	L.Kent Line Back
22	Introduction to Radar Systems	Merril L.Skolnik
23	Encyclopedia of Integrated Circuits A practical Hand Book of Essential Reference Data	H.Buchsbaum Sc.D
24	Mcgraw- Hill Encyclopedia of electronics and Computers Second Edition	Sybil P.Parker
25	IEEE Standard Dictionary of electrical Electronics Terms	
26	Electric Circuits	R.E.RDSDALE
27	Instrument Technology 3 electrical and Radiation	B.E.Noltingk
28	Digital Electronics	Roger L.Tokheim
29	Frequency Stability : Fundamentals and Measurement	Venceslav F.Kroupa
30	Integrated Circuit Operational Amplifiers	Robert G.Meyer
31	Low-Noise Microwave Transistors & Amplifiers	Hatsuaki Fukui

32	Introduction to Microprocessors	Charles M.Gilmore
33	Industrial Electricity Principles & Practices	Adams / Rock Maker
34	Teaching Engineering : Abeginner's Guide	Madru S.Gupta
35	PC-980 Vm 2E / Guide Book	
36	PC-980 Vm 2E / User's Manual	
37	PC-PR 201 HE / User's Manual	
38	Software Library N88 Nippon-go Basic (86) MS-Dos Version (MS-Dos Ver 3.1) / User's Manual	
39	Software Library N88 Nippon-go basic (86) MS-Dos Version (Ms-Dos Ver 3.1) Reference Manual	
40	Software Library MSTM-Dos 3.1 User's Manual	
41	Software Library MSTM-Dos 3.1 Programmer's Reference	
42	Software Library MSTM-Dos 3.1 Macro Assembler Manual	
43	How to use Measurements	
44	Instruments and Measurements	Charles M.Gilmore
45	Precision Frequency Control volum 2 Oscillators and standards	Edward A.Gerber Arther Ballato
46	Bushsbaums Complete Hand book of practical electronic Reference Data Third Edition	Walter H.Buchsbaum
47	Japan Electronics Almanac 1989	
48	Colloquia Mathematica Societatis Janos Bolya 1.50 Numerical Methods	D.Greenspan and P.Rozsa

49	D.A.T.A. Digest Diodes	35th anniversary / Volume 1	1991 Discrete Semiconductors
50	D.A.T.A. Digest Diodes	35th anniversary / Volume 2	1991 Discrete Semiconductors
51	D.A.T.A. Up date Diodes	35th anniversary Edition 58 update	1991 Semiconductors Discrete
52	D.A.T.A. Digest	35th anniversary Transistors	1991 Discrete Semiconductors
53	D.A.T.A. Update	35th Anniversary Transistors Edition 61 update	1991 Discrete Semiconductors
54	D.A.T.A. Digest	35th anniversary Thyristors	1991 Discrete Semiconductors
55	D.A.T.A. Update	35th anniversary Thyristors Edition 27 update	1991 Discrete Semiconductors
56	D.A.T.A. Digest	35th anniversary power Semiconductors	1991 Discrete Semiconductors
57	D.A.T.A. Digest	35th anniversary Direct Alternate sources	1991 Discrete Semiconductors
58	D.A.T.A. Digest	35th anniversary Suggested replacement Alternate Sources	1991 Discrete Semiconductors
69	D.A.T.A. Digest	35th anniversary Optoelectronics	1991 Discrete Semiconductors
60	D.A.T.A.	35th	1991

	Digest	anniversary Optoelectronics Edition 24 up date	Discrete Semiconductors
61	D.A.T.A. Digest	Discontinued Discrete Semiconductors volumel	1990 Specialty References Diodes optoele- ctronics
62	D.A.T.A. Digest	Discontinued Discrete Semiconductors volume2	1990 Specialty References Thyristors transistors
63	D.A.T.A. Digest	Discontinued Integrated Circuits volume 1	1990 Specialty References Digital Interface Linear Memory Microprocessor
64	D.A.T.A. Digest	35th anniversary International Semiconductor Directory Master type Locator	1991 Specialty References
65	D.A.T.A. Digest	35th anniversary Application Notes	1991 Specialty References
66	D.A.T.A. Digest	35th anniversary High Reliability Electronics Components	1991 Specialty References
67	D.A.T.A. Update	35th anniversary High Reliability Electronic Components Edition 4 update	1991 Specialty References
68	D.A.T.A. Digest	35th anniversary Interface	1991 Integrated Circuits

69	D.A.T.A. Digest	35th anniversary Digital	1991 Integrated Circuits
70	D.A.T.A. Digest	35th anniversary Linear	1991 Integrated Circuits
71	D.A.T.A. Digest	35th anniversary Alternate sources and Replacements	1991 Integrated Circuits

ANNEX (11)

LIST OF TECHNICAL DOCUMENTS RELATED TO NSCL PRACTICE

NUMBER OF TECHNICAL DOCUMENTS
PREPARED OR UNDER PREPARATION
AS OF 22-07-1991

DOCUMENTS UNDER PREPARATION														
LAB		AC		DC		TEM		RF		REP		OSC		
CAL/ADJ PROCEDURE		a	b	a	b	a	b	a	b	a	b	a	b	
	P	2	0	2	0	0	0	0	0	0	0	0	0	0
	S	0	0	6	12	0	0	0	0	0	0	0	0	0
	T	5	0	2	0	0	0	0	0	0	0	0	0	0
FORMAT OF RESULT SHEET	P	0	0	1	0	0	0	0	0	0	0	0	0	
	S	0	0	7	1	0	0	0	0	0	0	0	0	
	T	0	0	0	0	0	0	1	0	0	0	0	0	

DOCUMENTS ALREADY PREPARED																				
Laboratory		AC & power			DC&RC			TEMP			RF			REP			OSC			
CAL/ADJ PROCEDURE		a	b	c	a	b	c	a	b	c	a	b	c	a	b	c	a	b	c	
	P	1	0	0	1	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0
	S	2	0	0	15	3	0	2	1	0	2	0	0	0	0	0	0	0	0	0
	T	5	2	3	0	0	0	5	0	2	0	0	0	7	0	11	2	0	0	0
RESULT SHEET	P	2	0	0	2	3	1	2	0	0	1	0	0	0	0	0	0	0	0	
	S	2	6	0	22	12	0	2	1	0	17	4	0	0	0	0	0	0	0	
	T	6	0	91	4	4	0	6	2	6	3	2	0	13	0	40	1	0	0	

a-Number of technical documents for the instruments belonging to each mentioned lab in NSCL.
b-Number of technical documents for the instruments concerning the other labs in NSCL.
c-Number of technical documents for the instruments belonging to the other company.

◆ P:Primary std ◆ S:Secondary std ◆ T:Tertiary std and Measuring ins

Table (4)
Technical documents

JICA