

National Marine Electronics Association
Approved 0183 Manufacturer's Mnemonic Codes

August 30, 2012

3SN 3-S NAVIGATION

AAR ASIAN AMERICAN RESOURCES
ACE AUTO-COMM ENGINEERING CORP.
ACR ACR ELECTRONICS, INC.
ACS ARCO SOLAR, INC.
ACT ADVANCED CONTROL TECHNOLOGY
ADI ADITEL
AGI AIRGUIDE INSTRUMENT CO.
AHA AUTOHELM OF AMERICA
AIP AIPHONE CORP.
ALD ALDEN ELECTRONICS, INC.
AMC ALLTEK MARINE ELECTRONICS CORP.
AMI ADVANCED MARINE INSTRUMENTATION, LTD.
AMR AMR SYSTEMS
AMT AIRMAR TECHNOLOGY
AND ANDREW CORPORATION
ANI AUTONAUTICAL INSTRUMENTAL S.L.
ANS ANTENNA SPECIALISTS
ANX ANALYTYX ELECTRONIC SYSTEMS
ANZ ANSCHUTZ OF AMERICA
AOB AEROBYTES LTD
APC APELCO
APN AMERICAN PIONEER, INC.
APW AUTOMATIC POWER, INC. / PHAROS MARINE
APX AMPEREX, INC.
AQC AQUA-CHEM, INC.
AQD AQUADYNAMICS, INC.
AQM AQUA METER INSTRUMENT CO.
ARL ACTIVE RESEARCH LIMITED
ASH ASHTECH
ASP AMERICAN SOLAR POWER
ATC ADVANCED C TECHNOLOGY, LTD
ATE AETNA ENGINEERING
ATM ATLANTIC MARKETING COMPANY
ATR AIRTRON
ATV ACTIVATION, INC.
AVN ADVANCED NAVIGATION, INC.
AWA AWA NEW ZEALAND, LTD.
AXN AXIOM NAVIGATION, INC.

BBG BBG INCORPORATED
BBL BBL INDUSTRIES, INC.
BBR BBR AND ASSOCIATES
BDV BRISSON DEVELOPMENT, INC.

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BEC BOAT ELECTRIC CO.
 BFA BLUEFLOW AMERICAS
 BGG BODENSEE GRAAVITYMETER GEOSYSTEMS GmbH
 BGS BARRINGER GEOSERVICE
 BGT BROOKES AND GATEHOUSE, INC.
 BHE BH ELECTRONICS
 BHR BAHR TECHNOLOGIES, INC.
 BLB BAY LABORATORIES
 BMC BMC
 BME BARTEL MARINE ELECTRONICS
 BMS BECKER MARINE SYSTEMS
 BMT BOSCH REXROTH AG MARINE TECHNIQUE
 BNI NEIL BROWN INST. SYSTEMS
 BNS BOWDITCH NAVIGATION SYSTEMS
 BRM MEL BARR COMPANY
 BRO BROADGATE, LTD
 BRY BYRD INDUSTRIES
 BTH BENTHOS, INC.
 BTK BALTEK CORP.
 BTS BOAT SENTRY, INC.
 BVE BV ENGINEERING
 BXA BENDIX-AVALEX, INC.

CAI CAMBRIDGE AERO INSTRUMENTS
 CAT CATEL
 CBN CYBERNET MARINE PRODUCTS
 CCA COPAL CORP OF AMERICA
 CCC COASTEL COMMUNICATIONS CO.
 CCL COASTAL CLIMATE COMPANY
 CCM COASTAL COMMUNICATIONS
 CDC CORDIC COMPANY
 CDI CHETCO DIGITAL INSTRUMENTS
 CDL CDLTD INC
 CEC CECO COMMUNICATONS, INC.
 CEI CAMBRIDGE ENGINEERING, INC.
 CHI CHARLES INDUSTRIES, LTD.
 CIN CANADIAN AUTOMOTIVE INSTRUMENTS
 CKM CINKEL MARINE ELECTRONICS
 CMA SOC. NOUVELLE D'EQUIP. CALVADOS
 CMC COE MANUFACTURING CO.
 CME CUSHMAN ELECTRONICS, INC.
 CML CML MICROSYSTEMS, PLC
 CMN COMNAV MARINE, LTD.
 CMP C-MAP, s.r.l.
 CMS COASTAL MARINE SALES CO.
 CMV COURSEMASTER USA, INC.
 CNI CONTINENTAL INSTRUMENTS
 CNS C.N.S. SYSTEMS AB
 CNV COASTAL NAVIGATOR
 CNX CYNEX MANUFACTURING CO.

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CPL	COMPUTROL, INC.
CPN	COMPUNAV
CPS	COLUMBUS POSITIONING, LTD
CPT	CPT, INC.
CRE	CRYSTAL ELECTRONICS, LTD
CRO	THE CARO GROUP
CRY	CRYTEK CRYSTALS CORP.
CSI	COMMUNICATION SYSTEMS INTL
CSM	COMSAT MARITIME SERVICES
CSR	CSR STOCKHOLM
CSS	CNS INC
CST	CAST, INC.
CSV	COMBINED SERVICES
CTA	CURRENT ALTERNATIVES
CTB	CETEC BENMAR
CTC	CELL-TECH COMMUNICATIONS
CTE	CASTLE ELECTRONICS
CTL	C-TECH, LTD.
CTS	C-TECH SYSTEMS
CUS	CUSTOMWARE
CWD	CUBIC WESTERN DATA
CWV	CELWAVE R.F., INC.
CYZ	CYZ, INCORPORATED
DAS	DASSAULT SERCEL NAVIGATION-POSITIONING
DBM	DEEP BLUE MARINE
DCC	DOLPHIN COMPONENTS CORP.
DEB	DEBEG GMBH
DEC	DECCA DIVISION, LITTON MARINE SYSTEMS, BV
DFI	DEFENDER INDUSTRIES, INC.
DGC	DIGICOURSE, INC.
DGY	DIGITAL YACHT LTD
DME	DELORME
DMI	DATAMARINE INTERNATIONAL
DNS	DORNIER SYSTEM GMBH
DNT	DEL NORTE TECHNOLOGY, INC.
DOI	DIGITAL OCEANS INC.
DPS	DANAPLUS, INC.
DRL	R.L.DRAKE COMPANY
DSC	DYNASCAN CORP.
DTN	DYTECHNA, LTD
DYN	DYNAMOTE CORPORATION
DYT	DYTEK LABORATORIES, INC.
EAN	EURO AVIONICS NAVIGATIONSSYSTEME GmbH
EBC	EMERGENCY BEACON CORP.
ECT	ECHOTEC, INC.
EDO	EDO CORPORATION ELECTROACOUSTICS DIV.
EEV	EEV, INC.
EFC	EFCOM COMMUNICATION SYSTEMS

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EKC	EASTMAN KODAK
ELA	ALLIED SIGNAL ELAC NAUTIK
ELD	ELECTRONIC DEVICES, INC.
ELM	ELMAN s.r.l
EMC	ELECTRIC MOTION COMPANY
EMS	ELECTRO MARINE SYSTEMS, INC.
ENA	ENERGY ANALYSTS, INC.
ENC	ENCRON, INC.
EPM	EPSCO MARINE
EPT	EASTPRINT, INC.
ERC	THE ERICSSON CORPORATION
ESA	EUROPEAN SPACE AGENCY
ESC	ELECTRONICS EMPORIUM, DIVISION OF ESC PRODUCTS
ESY	E-SYSTEMS, ECI DIVISION
FDN	FLUIDDYNE
FEC	FURUNO ELECTRIC CO.
FHE	FISH HAWK ELECTRONICS
FJN	JON FLUKE CO.
FLA	FLARM TECHNOLOGY GMBH (SWITZERLAND)
FLO	FLOSCAN INCORPORATED
FMM	FIRST MATE MARINE AUTOPILOTS
FMS	FUGRO SEASTAR AS (MARINESTAR)
FNT	FRANKLIN NET AND TWINE, LTD
FRC	THE FREDERICKS COMPANY
FST	FASTRAX OY
FTG	T.G.FARIA CORPORATION
FUJ	FUJITSU TEN CORPORATION OF AMERICA
FUR	FURUNO USA, INC.
GAM	GRE AMERICA, INC.
GCA	GULF CELLULAR ASSOCIATES
GEC	GEC PLESSEY SEMICONDUCTORS
GES	GEOSTAR CORPORATION
GFC	GRAPHIC CONTROLS, CORP.
GFV	GFV MARINE LTD.
GIS	GALAX INTEGRATED SYSTEMS
GNV	GEONAV INTERNATIONAL
GPI	GLOBAL POSITIONING INSTRUMENT CORP.
GPP	GEO++ GmbH
GPR	GLOBAL POSITIONING SYSTEM JOINT PROGRAM OFFICE (ROCKWELL COLLINS)
GRF	GRAFINTA (SPAIN)
GRM	GARMIN CORPORATION
GSC	GOLD STAR COMPAPNY, LTD
GTI	GENESIS TECHNOLOGY INTERNATIONAL LTD
GTO	GRO ELECTRONICS
GVE	GUEST CORPORATION
GVT	GREAT VALLEY TECHNOLOGY
HAI	HYDRAGRAPHIC ASSOCIATES, LTD
HAL	HAL COMMUNICATIONS CORP.

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HAR	HARRIS CORPORATION
HHS	HYDEL HELLAS SKALTSARIS LTD (SHANGHAI)
HIG	HY-GAIN
HIL	PHILIPS NAVIGATION A/S
HIT	HI-TEC
HMS	HYDE MARINE SYSTEMS, INC.
HPK	HEWLETT-PACKARD
HRC	HARCO MANUFACTURING CO.
HRT	HART SYSTEMS, INC.
HTI	HEART INTERFACE, INC.
HUL	HULL ELECTRONICS COMPANY
HWM	HONEYWELL MARINE SYSTEMS
IBM	IBM MICROELECTRONICS
ICO	ICOM OF AMERICA, INC.
ICG	INITIATIVE COMPUTING USA, INC. INITIATIVE COMPUTING AG
IDS	ICAN MARINE (CANADA)
IFD	INTERNATIONAL FISHING DEVICES
IFI	INSTRUMENTS FOR INDUSTRY
IME	IMPERIAL MARINE EQUIPMENT
IMI	INTERNATIONAL MARINE INSTRUMENTS
IMM	ITT MACKAY MARINE
IMP	IMPULSE MANUFACTURING, INC.
IMR	IDEAL TECHNOLOGIES INC
IMT	INTERNATIONAL MARKETING AND TRADING, INC.
INM	INMAR ELECTRONIC AND SALES
INT	INTECH, INC.
IRT	INTERA TECHNOLOGIES, LTD
IST	INNERSPACE TECHNOLOGY, INC.
ITM	INTERMARINE ELECTRONICS, INC.
ITR	ITERA, LTD
IWW	INLAND WATERWAYS (GERMANY)
JAN	JAN CRYSTALS
JAS	JASCO RESEARCH LTD.
JFR	RAY JEFFERSON
JMT	JAPAN MARINE TELECOMMUNICATIONS
JPI	J.P. INSTRUMENTS
JRC	JAPAN RADIO COMPANY, LTD
JRI	J-R INDUSTRIES, INC.
JTC	J-TECH ASSOCIATES, INC.
JTR	JOTRON RADIOSEARCH, LTD
KBE	KB ELECTRONICS, LTD
KBM	KENNEBEC MARINE COMPANY
KEL	KNUDSEN ENGINEERING, LTD
KHU	KELVIN HUGHES LTD
KLA	KLEIN ASSOCIATES, INC.
KME	KYUSHU MATSUSHITA ELECTRIC
KMR	KING MARINE RADIO CORP.

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KNC	KONGSBERG NORCONTROLS
KNG	KING RADIO CORPORATION
KOD	KODEN ELECTRONICS CO., LTD
KRA	EDV KRAJKA
KRP	KRUPP INTERNATIONAL, INC.
KST	KONGSBERG SEATEX AS
KVH	KVH COMPANY
KYI	KYOCERA INTERNATIONAL, INC.
L3A	L3 COMMUNICATIONS RECORDERS DIVISION
LAT	LATITUDE CORPORATION
L3I	L-3 INTERSTATE ELECTRONICS COPORATION
LCI	LASERCRAFT INC.
LEC	LORAIN ELECTRONICS CORP
LEI	LEICA GEOSYSTEMS PTY LTD.
LIT	LITTON LASER SYSTEMS
LMM	LAMARCHE MANUFACTURING CO.
LRD	LORAD
LSE	LITTLEMORE SCIENTIFIC ENG.
LSP	LASER PLOT, INC.
LST	LITE SYSTEMS ENGINEERING
LTF	LITTLEFUSE, INC.
LTI	LASER TECHNOLOGY, INC.
LWR	LOWRANCE ELECTRONICS CORP.
MCA	CANADIAN MARCONI COMPANY
MCI	MATSUSHITA COMMUNICATIONS
MCL	MICROLOGIC, INC.
MDL	MEDALLION INSTRUMENTS, INC.
MDS	MARINE DATA SYSTEMS
MEC	MARINE ENGINE CENTER, INC.
MEG	MARITEC ENGINEERING G.m.b.H.
MES	MARINE ELECTRONICS SERV. INC.
MEW	MATSUSHITA ELECTRIC WORKS
MFR	MODERN PRODUCTS, LTD
MFW	FRANK W. MURPHY MFG.
MGN	MAGELLEN SYSTEMS CORP.
MGS	MG ELECTRONIC SALES CORP.
MIE	MIECO, INC.
MIM	MARCONI INTERNATIONAL MARINE
MLE	MARTHA LAKE ELECTRONICS
MLN	MATLIN COMPANY
MLP	MARLIN PRODUCTS
MLT	MILLER TECHNOLOGIES
MMB	MARSH-MCBIRNEY, INC.
MME	MARKS MARINE ENGINEERING
MMP	METAL MARINE PILOT, INC.
MMS	MARS MARINE SYSTEMS
MMT	MICRO MODULAR TECHNOLOGIES
MNI	MICRO-NOW INSTRUMENT CO.

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MNT MARINE TECHNOLOGY
MNX MARINEX
MOT MOTOROLA COMMUNICATIONS & ELECTRONICS
MPI MEGAPULSE, INC.
MPN MEMPHIS NET AND TWINE CO.
MQS MARQUIS INDUSTRIES, INC.
MRC MARINECOMP, INC.
MRE MORAD ELECTRONICS CORP.
MRP MOORING PRODUCTS OF NEW ENGLAND
MRR II MORROW, INC.
MRS MARINE RADIO SERVICE
MSB MITSUBISHI ELECTRIC CO., LTD
MSF MICROSOFT CORPORATION
MSE MASTER ELECTRONICS
MSM MASTER MARINER, INC.
MST MESOTECH SYSTEMS, LTD
MTA MARINE TECHNICAL ASSOCIATES
MTD MARITEL DATA SERVICES
MTG MARINE TECHNICAL ASSISTANCE GROUP
MTI MOBILE TELESYSTEMS, INC.
MTK MARTECH, INC.
MTR MITRE CORPORATION, THE
MTS METS, INC.
MUR MURATA ERIE NORTH AMERICA
MVX MAGNAVOX ADVANCED PRODUCTS AND SYSTEMS CO.
MXS MAXSEA INTERNATIONAL
MXX MAXXIMA MARINE

NAT NAUTECH, LTD
NAU NAUTICALL
NAV NAVTEC, INCORPORATED
NCT NAVCOM TECHNOLOGY, INC.
NEF NEW ENGLAND FISHING GEAR
NGS NAVIGATION SCIENCES, INC.
NIX L-3 NAUTRONIX
NMR NEWMAR
NOM NAV-COM, INC.
NOR NORTECH SURVEYS (CANADA)
NOV NovAtel COMMUNICATIONS, LTD
NSI NOREGON SYSTEMS INC
NSL NAVITRON SYSTEMS LTD
NSM NORTHSTAR MARINE
NTI NORTHSTAR TECHNOLOGIES, INC.
NTK NOVATECH DESIGNS, LTD
NTS NAVTECH SYSTEMS
NUT NAUTITECH PTY, LTD
NVC NAVICO
NVG NVS TECHNOLOGIES AG
NVO NAVIONICS, s.p.a.
NVS NAVSTAR

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NVT	NOVARIANT, INC
NWC	NAVAL WARFARE CENTER
OAR	O.A.R. CORPORATION
ODE	OCEAN DATA EQUIPMENT CORP.
ODN	ODIN ELECTRONICS, INC.
OHB	OHB SYSTEMS
OIN	OCEAN INSTRUMENTS, INC.
OKI	OKI ELECTRIC INDUSTRY CO.
OLY	NAVSTAR, LTD (POLYTECHNIC ELECTRONICS)
OMN	OMNETICS
OMT	OMNITECH AS
ORB	ORBCOMM
ORE	OCEAN RESEARCH
OSI	OFFSHORE SYSTEMS INTL.
OSL	OFFSHORE SYSTEMS, LTD.
OTK	OCEAN TECHNOLOGY
PCE	PACE
PCM	P SEA MARINE SYSTEMS
PDM	PRODELCO MARINE SYSTEMS
PLA	PLATH,C.DIV OF LITTON
PLI	PILOT INSTRUMENTS
PMI	PERNICKA MARINE INSTRUMENTS
PMP	PACIFIC MARINE PRODUCTS
PNI	PNI SENSORS INC
PNL	POINTS NORTH, LTD
PRK	PERKO, INC.
PSM	PEARCE-SIMPSON
PST	POINTSTAR A/S
PTC	PETRO-COM
PTG	P.T.I./GUEST
PTH	PATHCOM, INC.
QWE	QWERTY ELEKTRONIK AB
Q2N	QQN NAVIGATION AB
RAC	RACAL MARINE, INC.
RAE	RCA ASTRO-ELECTRONICS
RAF	ROBINS AIR FORCE (USAF)
RAY	RAYTHEON MARINE COMPANY
RCA	RCA SERVICE COMPANY
RCH	ROACH ENGINEERING
RCI	ROCHESTER INSTRUMENTS, INC.
RDC	USCG R&D CENTER
RDI	RADAR DEVICES
RDM	RAY-DAR MANUFACTURING CO.
REC	ROSS ENGINEERING CO.
RFP	ROLFITE PRODUCTS, INC.
RGC	RCA GLOBAL COMMUNICATIONS

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RGL	RIEGL LASER MEASUREMENT SYSTEMS
RGY	REGENCY ELECTRONICS, INC.
RHO	RHOTHETA ELEKTRONIK GmbH
RLK	REELEKTRONIKA.NL
RME	RACAL MARINE ELECTRONICS
RMR	RCA MISSILE AND RADAR
RSL	ROSS LABORATORIES, INC.
RSM	ROBERTSON-SHIPMATE, USA
RTH	PARTHUS
RTN	ROBERTSON TRITECH NYASKAIEN
RWI	ROCKWELL INTERNATIONAL
SAA	SATRONIKA SL
SAE	STN ATLAS ELEKTRONIC GmbH
SAF	SAFEMINE
SAI	SAIT, INC.
SAJ	SAJ INSTRUMENT AB
SAM	SAM ELECTRONICS GmbH
SAL	CONSILIUM MARINE AB
SAP	SYSTEMS ENGINEERING & ASSESSMENT, LTD
SAT	SATLOC
SBR	SEA-BIRD ELECTRONICS, INC.
SCL	SOKKIA COMPANY, LTD
SCO	SIMOCO TELECOMMUNICATIONS LTD
SCR	SIGNALCRAFTERS, INC.
SDN	SAPIEN DESIGN
SEA	SEA, INC.
SEC	SERCEL ELECTRONICS OF CANADA
SEE	SEETRAC AKA GLOBAL MARINE TRACKING
SEM	SEMTECH LTD
SEP	STEEL AND ENGINE PRODUCTS
SER	SERCEL FRANCE
SFN	SEAFARER NAVIGATION INT'L,
SGC	SGC, INC.
SGN	SIGNAV
SHI	SHINE MICRO
SIG	SIGNET, INC.
SIM	SIMRAD, INC
SKA	SKANTEK CORPORATION
SKP	SKIPPER ELECTRONICS A/S
SLI	STARLINK INCORPORATED
SMD	SHIPMODUL CUSTOMWARE
SME	SHAKESPEARE MARINE ELECTRONICS
SMF	SEATTLE MARINE AND FISHING SUPPLY CO.
SMI	SPERRY MARINE, INC.
SML	SIMERL INSTRUMENTS
SMT	SRT-MARINE
SNP	SCIENCE APPLICATIONS INTERNATIONAL CORP
SNV	STARNAV CORPORATION
SNY	SONY CORPORATION – MOBILE ELECTRONICS

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SOM	SOUND MARINE ELECTRONICS
SON	SONARDYNE INTERNATIONAL LTD
SOV	SELL OVERSEAS AMERICA
SPL	SPELMAR
SPT	SOUND POWERED TELEPHONE
SRC	STELLAR RESEARCH GROUP
SRD	SRD LABS
SRF	SIRF TECHNOLOGY, INC.
SRS	SCIENTIFIC RADIO SYSTEMS, INC.
SRT	STANDARD RADIO AND TELEFON
SSC	SWEDISH SPACE CORPORATION
SSD	SAAB AB, SECURITY & DEFENSE SOLUTIONS, COMMAND AND CONTROL SYSTEMS DIVISION
SSE	SEVEN STAR ELECTRONICS
SSI	SEA SCOUT INDUSTRIES
SSN	SEPTENTRIO
STC	STANDARD COMMUNICATIONS
STI	SEA-TEMP INSTRUMENT CORP.
STK	SEATECHNIK
STL	STREAMLINE TECHNOLOGY, LTD
STM	SI-TEX MARINE ELECTRONICS
STO	STOWE MARINE ELECTRONICS
STT	SAAB TRANSPONDERTECH AB
SVY	SAVOY ELECTRONICS
SWI	SWOFFER MARINE INSTRUMENTS
TBB	THOMPSON BROTHERS BOAT MFG.
TCN	TRADE COMMISSION OF NORWAY
TDI	TELEDYNE RD INSTRUMENTS
TDL	TIDELAND SIGNAL
TEL	PLESSEY TELLUMAT
THR	THRANE AND THRANE A/A
TKI	TOKYO KEIKI INC
TLS	TELESYSTEMS
TMT	TAMTECH, LTD
TNL	TRIMBLE NAVIGATION
TOP	TOPCON POSITIONING SYSTEMS, INC.
TRC	TRACOR, INC.
TRS	TRAVROUTE SOFTWARE
TSI	TECHSONIC INDUSTRIES, INC.
TTK	TALON TECHNOLOGY CORP.
TTS	TRANSTECTOR SYSTEMS
TYC	VINCOTECH (FORMERLY TYCO ELECTRONICS)
TWC	TRANSWORLD COMMUNICATIONS
TWS	TELIT LOCATION SOLUTIONS a division of TELIT WIRELESS SOLUTIONS
TXI	TEXAS INSTRUMENTS, INC.
UBX	U-BLOX AG
UEL	ULTRA ELECTRONICS LTD
UME	UMEC

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UNF UNIFORCE ELECTRONICS CO.
 UNI UNIDEN CORP. OF AMERICA
 UNP UNIPAS, INC.
 URS URSANAV, INC

VAN VANNER, INC.
 VAR VARIAN EIMAC ASSOCIATES
 VCM VIDEOCOM
 VEX VEXILAR
 VIS VESSEL INFORMATION SYSTEMS
 VMR VAST MARKETING CORP
 VSP VESPER MARINE
 VXS VERTEX STANDARD

WAL WALPORT U.S.A.
 WBE WAMBLEE S.R.L.
 WBG WESTBERG MANUFACTURING,
 WBR WESBAR CORPORATION
 WEC WESTINGHOUSE ELECTRIC CORP.
 WCI WI-SYS COMMUNICATIONS
 WDC WEATHERDOCK CORP
 WHA W-H AUTOPILOTS
 WMM WAIT MANUFACTURING AND MARINE SALES CO.
 WMR WESMAR ELECTRONICS
 WNG WINEGARD COMPANY
 WSE WILSON ELECTRONICS CORP.
 WST WEST ELECTRONICS LIMITED
 WTC WATERCOM

XEL 3XEL SRL

YAS YAESU ELECTRONICS
 YDK YOKOGAWA DENSHIKIKI CO. LTD

ZNS ZINNO