

**National Marine Electronics Association**  
**Approved 0183 Manufacturer's Mnemonic Codes**

**February 3, 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  
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.  
BEC BOAT ELECTRIC CO.

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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  
 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  
 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.  
 CPL COMPUTROL, INC.  
 CPN COMPUNAV  
 CPS COLUMBUS POSITIONING, LTD

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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
EKC	EASTMAN KODAK
ELA	ALLIED SIGNAL ELAC NAUTIK
ELD	ELECTRONIC DEVICES, INC.

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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 COMPANY, LTD
GTI	GENESIS TECHNOLOGY INTERNATIONAL LTD
GTO	GRO ELECTRONICS
GVE	GUEST CORPORATION
GVT	GREAT VALLEY TECHNOLOGY
HAI	HYDRAGRAPHIC ASSOCIATES, LTD
HAL	HAL COMMUNICATIONS CORP.
HAR	HARRIS CORPORATION
HHS	HYDEL HELLAS SKALTSARIS LTD (SHANGHAI)
HIG	HY-GAIN

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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.
KNC	KONGSBERG NORCONTROLS
KNG	KING RADIO CORPORATION
KOD	KODEN ELECTRONICS CO., LTD

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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.  
 MNT MARINE TECHNOLOGY  
 MNX MARINEX  
 MOT MOTOROLA COMMUNICATIONS & ELECTRONICS  
 MPI MEGAPULSE, INC.

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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  
NVT NOVARIANT, INC  
NWC NAVAL WARFARE CENTER

OAR O.A.R. CORPORATION

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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 pSEA 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  
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  
RGL RIEGL LASER MEASUREMENT SYSTEMS  
RGY REGENCY ELECTRONICS, INC.  
RHO RHOTHETA ELEKTRONIK GmbH  
RLK REELEKTRONIKA.NL  
RME RACAL MARINE ELECTRONICS

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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.
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
SOM	SOUND MARINE ELECTRONICS
SON	SONARDYNE INTERNATIONAL LTD
SOV	SELL OVERSEAS AMERICA
SPL	SPELMAR
SPT	SOUND POWERED TELEPHONE
SRC	STELLAR RESEARCH GROUP

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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
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
TXI	TEXAS INSTRUMENTS, INC.
UBX	U-BLOX AG
UEL	ULTRA ELECTRONICS LTD
UME	UMEC
UNF	UNIFORCE ELECTRONICS CO.
UNI	UNIDEN CORP. OF AMERICA
UNP	UNIPAS, INC.
URS	URSANAV, INC
VAN	VANNER, INC.
VAR	VARIAN EIMAC ASSOCIATES
VCM	VIDEOCOM

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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

ZNS ZINNOS