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| 7301-02 | Ground Power System - Panel Layouts | |
| 7302 | 480V Wayside Power - Cordset Details | |

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| ENGINEERING STANDARD NO. | DESCRIPTION | CURRENT REVISION |
| 8000 | | |
| | SIGNAL | |
| 8000 | HIGHWAY-RAIL GRADE CROSSING | |
| ES8000-01 | Minimum Braking Distance Table for Freight Trains Ascending | |
| ES8000-02 | Minimum Braking Distance Table for Freight Trains Descending | |
| ES8005-01 | Freight Train Reducing Distances | |
| ES8005-02 | Freight Train Reducing Distances | |
| ES8005-03 | Freight Train Reducing Distances | |
| ES8005-04 | Freight Train Reducing Distances | |
| ES8010 | Passenger Train Braking and Reducing Distances | |
| ES8020-01 | Speed - Time - Distance Chart | |
| ES8020-02 | Speed - Time - Distance Chart | |
| ES8030 | Standard Bit Assignment | |
| ES8100 | GENERAL SIGNAL | |
| ES8100 | Circuit Plan Symbols | |
| ES8105 | Component Symbols | |
| ES8110 | Shelf and Vital Relay Symbols | |
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| ES8120 | Plug-In Relay Base Coil & Jumper Wiring with Contact Arrangement | |
| ES8125 | Grade Crossing Symbols | |
| ES8130 | Wayside Signal Symbols | |
| ES8135 | Switch and Derail Symbols | |
| ES8140 | Circuit Controller Contact Symbols | |
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| ES8155 | Cable Junction Case Wiring Details | |
| ES8205 | Typical Signal Terminal Box | |
| ES8210-01 | Cable Termination | |
| ES8210-02 | Cable Termination | |
| ES8215-01 | Placement of Instrument Enclosure | |
| ES8215-02 | Placement of Signal Foundation | |
| ES8220 | Placement of Insulated Joints | |
| ES8223 | Conduit Installation | |
| ES8225-01 | Placement of Pull Boxes and Conduit | |
| ES8225-02 | Typical Conduit Layout for Pullbox | |
| ES8230 | Track Wire Installation | |
| ES8235 | Termination Shunt Installation | |
| ES8237 | Tuned Joint Coupler and Wide Band Shunt Installation | |
| ES8240 | Rail and Frog Bonding Details | |
| ES8245 | Placement of Fouling Bridles | |
| ES8250 | Foundation For Ped Gate with Stubmast | |
| ES8253 | Foundation For Dwarf Gate with Stubmast | |
| ES8255 | Foundation for ground signal, gate, & flasher mast | |
| ES8260 | Automatic Train Stop Inductor Layout | |
| ES8270-01 | Typical Legend for Highway-Rail Grade Crossing Instrument Enclosure | |
| ES8270-02 | Typical Legend for Highway-Rail Grade Crossing Instrument Enclosure | |
| ES8270-03 | Typical Legend for Highway-Rail Grade Crossing Instrument Enclosure | |
| ES8271 | Typical Legend For Control Point Instrument Enclosure | |
| ES8275 | Typical Power Off Indication Light | |
| ES8280 | Grounding Details | |
| ES8290 | Standard Signs Begin Circuit, End Circuit | |
| ES8291 | Standard Signs Begin CTC, End CTC | |
| ES8292 | Standard Wayside Stop Sign | |
| ES8300 | CROSSINGS | |
| ES8300 | Flashing Light Signals With or Without Gate | |
| ES8305 | Flashing Light Signals Configurations | |
| ES8306 | Flashing Light Signals with Gate Configurations | |
| ES8308 | Pedestrian Gate Assembly With or Without Flashing Light | |
| ES8320-01 | Single Mast Crossing Cantilever 10' Thru 30' Arm Length | |
| ES8320-02 | Model W Walkout Cantilever Signal | |
| ES8325-01 | Double Mast Crossing Cantilever 30' Thru 40' Arm Length | |
| ES8325-02 | Model WNR Walkout Cantilever Signal | |
| ES8330 | Foundation For Cantilever Assemblies | |
| ES8350-01 | Location Plan Flashing Light Signals with Entrance Gates | |
| ES8350-02 | Location Plan Flashing Light Signals with Entrance Gates | |
| ES8355 | Location Plan Flashing Light Signals with Entrance Gates and Exit Gates | |
| ES8360 | Typical Location Plan Cantilever Flashers Entrance With Gates | |
| ES8365 | Typical Location Plan Cantilever Flashers Entrance With Gates and Exit Gates | |
| ES8370 | Typical Location Plan Flashing Light Signals With Gates and Median | |

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| ENGINEERING STANDARD NO. | DESCRIPTION | CURRENT REVISION |
| 8000 | | |
| | SIGNAL | |
| ES8300 | CROSSINGS | |
| ES8375 | Typical Location Plan Flashing Light Signals With Entrance and Exit Gates And Median | |
| ES8380 | Typical Location Plan Cantilever Flashers with Entrance Gates and Median | |
| ES8385 | Typical Location Plan Cantilever Flashers with Entrance and Exit Gates and Median | |
| ES8390 | Location Plan Pedestrian Flashing Light Signals With Gates Crossing Configuration | |
| ES8395 | Location Plan - Pedestrian with Gate | |
| ES8400 | GATE ARMS | |
| ES8400 | Typical Light Unit Alignment For Flashing Lights Signals | |
| ES8405 | Vital Placement for Inductive Loops Used With Exit Gates | |
| ES8450-01 | Typical LED Gate Arm Lamp Complete With Hardware | |
| ES8450-02 | Typical LED Gate Arm Lamp Specifications | |
| ES8450-03 | Typical 4" Gate Arm Lamp Complete With Hardware | |
| ES8460-01 | Typical Fiber Reinforced Polyglass Gate Arm Tip Section with Diagonal Striping | |
| ES8460-02 | Typical Fiber Reinforced Polyglass Gate Arm Tip Section with Diagonal Striping | |
| ES8461-01 | Typical Fiber Reinforced Polyglass Gate Arm Mid Section with Vertical Striping | |
| ES8461-02 | Typical Fiber Reinforced Polyglass Gate Arm Mid Section with Diagonal Striping | |
| ES8462-01 | Typical Gate Arm Aluminum Base Section with Vertical Striping | |
| ES8462-02 | Typical Gate Arm Aluminum Base Section with Diagonal Striping | |
| ES8465-01 | Typical 26' High Wind Gate Arm Kit with Vertical Striping | |
| ES8465-02 | Typical 26' High Wind Gate Arm Kit with Diagonal Striping | |
| ES8466-01 | Typical 32' High Wind Gate Arm Kit with Vertical Striping | |
| ES8466-02 | Typical 32' High Wind Gate Arm Kit with Diagonal Striping | |
| ES8470-01 | Typical Wind Support | |
| ES8470-02 | Typical Wind Support | |
| ES8500-01 | Typical Ground Signals with One Platform Ladder Assembly | |
| ES8500-02 | Typical Ground Signals with One Platform Ladder Assembly (17'-0" Mast; Single Unit ColorLight) | |
| ES8500-03 | Typical Ground Signals with One Platform Ladder Assembly (22'-6" Mast; Single Unit ColorLight) | |
| ES8500-04 | Typical Ground Signals with One Platform Ladder Assembly (17'-0" Mast; Bi-directional ColorLight) | |
| ES8500-05 | Typical Ground Signals with One Platform Ladder Assembly (22'-6" Mast; Bi-Directional ColorLight) | |
| ES8505-01 | Typical Ground Signals with Two Platform Ladder Assembly | |
| ES8505-02 | Typical Ground Signals with Two Platform Ladder Assembly (22'-6" Mast; Double Unit ColorLight) | |
| ES8505-03 | Typical Ground Signals with Two Platform Ladder Assembly (22'-6" Mast; Bi-Directional ColorLight With Second Unit) | |
| 8500 | SIGNAL APPARATUS | |
| ES8510 | Wayside Signal Cantilever Structure | |
| ES8515 | Wayside Signal Bridge Structure | |
| ES8520 | Typical Dwarf Signal Assembly | |
| ES8525-01 | Typical LED Color Light Signal Unit | |
| ES8525-02 | Incandescent Colorlight With Second Unit | |
| ES8530 | Typical Ground Signal Junction Box | |
| ES8540 | Typical Signal Number Plate For Use At Intermediate | |
| ES8545 | Typical "P" Sign for Use At Protective Signal Locations | |
| ES8570 | Typical Galvanized Signal Ladder | |
| | Standard Signs Begin Circuit, End Circuit | |
| | Standards Signs Begin CTC, End CTC | |
| | Standard Wayside Stop Signal | |
| 8600 | SWITCH APPARATUS | |
| ES8600 | M23A-E Power Switch Machine | |
| ES8605-01 | M23A-E Dual Control Switch Layout for No. 8, No. 10, & No. 14 Right Hand Turnouts | |
| ES8605-02 | M23A Dual Control Switch Layout for No. 8, No. 10, & No. 14 Right Hand Turnouts | |
| ES8610-01 | M23A-E Dual Control Switch Layout for No. 8, No. 10, & No. 14 Left Hand Turnouts | |
| ES8610-02 | M23A-A Dual Control Switch Layout for No. 8, No. 10, & No. 14 Left Hand Turnouts | |
| ES8615-01 | M23A-E Dual Control Switch Layout for No. 20 & No. 24 Right Hand Turnouts | |
| ES8615-02 | M23A-A Dual Control Switch Layout for No. 20 & No. 24 Right Hand Turnouts | |
| ES8620-01 | M23A-E Dual Control Switch Layout for No. 20 & No. 24 Left Hand Turnouts | |
| ES8620-02 | M23A-A Dual Control Switch Layout for No. 20 & No. 24 Left Hand Turnouts | |
| ES8625 | Helper Rod Assembly for No. 20 Right and Left Hand Turnouts | |
| ES8630 | Helper Rod Assembly for No. 24 Right and Left Hand Turnouts | |
| ES8635-01 | Push-Pull Helper Rod Assembly Details "T" Crank & Pipe Guide Aux Connection | |
| ES8635-02 | Push-Pull Helper Rod Assembly Details Screw Jaw, Solid Jaw, & Adjustable Link | |
| ES8650 | Typical Left or Right Hand Racor Type "MF" Insulated "Front" Rod for Use on No. 8, No. 10, & No. 14 Turnouts | |
| ES8655 | Typical Left or Right Hand Racor Type "MF" Insulated "Front" Rod for Use on No.20 & no. 24 Turnouts | |
| ES8660 | Typical Racor Type "SMJ" No. Insulated "Basket" Rod for Use on No. 8, No. 10, & No. 14 Turnouts | |
| ES8665 | Typical Racor Type "SMJ" No. Insulated "Basket" Rod for Use on No.20 & no. 24 Turnouts | |

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| ENGINEERING STANDARD NO. | DESCRIPTION | CURRENT REVISION |
| 8000 | | |
| | SIGNAL | |
| | 8700 DETECTORS | |
| ES8700 | Internal Point Detector Bar For M23-A Power Switch Machine | |
| ES8705 | Point Detector Connecting Rod for Dual Control Switch Applications | |
| ES8710 | Internal Lock Rod Assembly | |
| ES8715 | Lock Rod Drop Lug | |
| ES8720 | Lock Rod Connecting Rod | |
| ES8725 | Switch Operating Lug (Bear Claw) | |
| ES8730 | Switch Operating Rod for Dual Control Switch Applications | |
| ES8735 | Universal Extension Plate for 14'-0" Dapped Headblock tie | |
| ES8740 | 14'-0" or 16'-0" Dapped Headblock Tie | |
| ES8750 | Various Tie Straps For Dual Control Switch Layout Applications | |
| ES8755 | Typical Pedestal Junction Box | |
| ES8760 | Circuit Controller Placement At Hand Throw Switches | |
| ES8765 | Electric Switch Lock Model 10A | |
| ES8800 | SIGNAL FACILITY RETAINING WALL | |
| ES8801 | Typical Embankment or Signal Facility with Instrument Enclosure | |
| ES8800 | Hot Bearing Detector Layout | |
| ES8802 | Typical Embankment or Signal Facility Signal Foundation Only | |
| ES8803 | Typical Retaining Wall for Signal Facility Instrument Enclosure with Post and Cable Fall Protection | |
| ES8804 | Typical Retaining Wall for Signal Facility Instrument Enclosure with Chain Link Fence Fall Protection | |
| ES8805 | Retaining Wall Block Details | |
| ES8810 | Dragging Equipment Detector Layout | |
| ES8820 | High Water Detector Layout Line Connection | |
| ES8830 | High -Wide Load Detector Layout Valley Subdivision | |
| ES8831 | High -Wide Load Detector Layout Ventura Subdivision | |
| 9000 | | |
| | COMMUNICATIONS | |
| | 9000 GENERAL | |
| ES9000 | List of Acronyms | |
| ES9001 | Index of Symbols | |
| ES9002-01 | Notes and Symbols | |
| ES9002-02 | Notes and Symbols | |
| ES9005 | Metrolink Subdivisions | |
| ES9010-01 | Valley Subdivision | |
| ES9010-02 | Valley Subdivision | |
| ES9015-01 | Ventura Subdivision | |
| ES9015-02 | Ventura Subdivision | |
| ES9020-01 | River Subdivision | |
| ES9020-02 | River Subdivision | |
| ES9025-01 | San Gabriel Subdivision | |
| ES9025-02 | San Gabriel Subdivision | |
| ES9030-01 | Orange Subdivision | |
| ES9030-02 | Orange Subdivision | |
| ES9040-01 | Olive Subdivision | |
| ES9040-02 | Olive Subdivision | |
| ES9045 | Pasadena Subdivision | |
| ES9080-01 | Voice and ATCS Radio Interface at MOC | |
| ES9080-02 | Voice and ATCS Radio Interface at MOC | |
| ES9100 | DATA RADIO SYSTEM | |
| ES9100 | Metrolink ATCS Data Radio Network Block Diagram | |
| ES9102 | ATCS Base Station Block Diagram | |
| ES9105 | ATCS Data Radio Base Station Directional Antenna | |
| ES9110 | ATCS Data Radio Base Station Directional Antenna Array | |
| ES9115 | Control Points ATCS Data Radio Block Diagram | |
| ES9120-01 | Control Points ATCS 40 Foot Radio Tower & Foundation Plan | |
| ES9120-02 | Control Points ATCS 40 Foot Radio Tower & Foundation Plan | |
| ES9122-01 | Control Points ATCS 60 Foot Radio Tower & Foundation Plan | |
| ES9122-02 | Control Points ATCS 60 Foot Radio Tower & Foundation Plan | |
| ES9125 | Control Points ATCS Radio Antenna & Tower | |
| ES9130 | Voice Radio Base Station Omni Directional Antenna | |

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| ENGINEERING STANDARD NO. | DESCRIPTION | CURRENT REVISION |
| 9000 | | |
| | COMMUN | |
| ES9100 | DATA RADIO SYSTEM | |
| ES9140-01 | Control Points ATCS Data Radio Wiring Details | |
| ES9140-02 | Control Points ATCS Data Radio Wiring Details | |
| ES9140-03 | Control Points ATCS Data Radio Wiring Details | |
| ES9140-04 | Control Points ATCS Data Radio Wiring Details | |
| ES9150 | Metrolink Map of Subdivisions CP and ATCS Base Stations | |
| ES9155 | Metrolink Map of Subdivisions Orange Subdivision | |
| ES9160 | Metrolink Map of Subdivisions River Subdivision | |
| ES9165 | Metrolink Map of Subdivisions San Gabriel Subdivision | |
| ES9170 | Metrolink Map of Subdivisions Valley Subdivision | |
| ES9175 | Metrolink Map of Subdivisions Ventura Subdivision | |
| 9200 | VOICE RADIO SYSTEM | |
| ES9200 | Block Diagram Metrolink Voice Radio System | |
| ES9210 | Metrolink VHF Voice Radio Subscriber System Overview | |
| ES9215 | Voice Radio Base Station Block Diagram | |
| ES9230 | VHF Radio For Dragging Equipment Detector Interface | |
| ES9250 | Metrolink Map of Subdivisions All Major Base Radio Stations | |
| ES9255 | Metrolink VHF Voice Radio Coverage to Trains | |
| ES9260 | Metrolink VHF Voice Radio Coverage to Portables | |
| 9300 | BASE STATIONS | |
| ES9300 | Base Station Sites Mountain - Top Site Details | |
| ES9310 | Base Station Sites ROW Site Details (1 of 2) | |
| ES9315 | Base Station Sites ROW Site Details (2 of 2) | |
| ES9320 | Base Station Sites Grounding Plan | |
| ES9325 | Grounding Configuration CP Antenna Towers | |
| ES9330 | Grounding Configuration ROW Base Station Sites | |
| ES9335 | Equipment Housing / Racks For Base Station And Microwave Radio Sites | |
| 9400 | COMMUNICATIONS SHELTER | |
| ES9400 | Shelter Floor and Roof Plan | |
| ES9405 | Shelter Ceiling Plan And Panel Connections | |
| ES9410 | Shelter Panel Connection Locations | |
| ES9415 | Type 1A Shelter Exterior Elevation Views | |
| ES9420 | Shelter Foundation And Entrance Conduit Details | |
| ES9425 | Shelter Inside Elevation Views With Conduits | |
| ES9430 | Type 1A Shelter AC Panel And Device Details | |
| ES9435 | Type 1B Shelter AC Panel And Device Details | |
| ES9440 | Shelter Grounding Scheme | |
| 9500 | FIBER OPTIC - INSIDE PLANT | |
| ES9500 | Ethernet Cabling Standards | |
| ES9505 | Typical Node Floor Plan | |
| ES9510-01 | Typical Main Distribution Frame | |
| ES9510-02 | Typical Node AC Power Riser | |
| ES9515-01 | Typical Cable Ladder Attachments | |
| ES9515-02 | Cable Label Scheme | |
| ES9520-01 | Typical Node Rack Space Planning | |
| ES9520-02 | Typical Node Main Equipment Rack | |
| ES9520-03 | Typical Node DC Power Rack | |
| ES9525-01 | Fiber Distribution Panel Details | |
| ES9525-02 | Node Connectivity Details | |
| ES9530-01 | Connector Wiring Details | |
| ES9530-02 | Node DC Power Riser | |
| ES9535 | T1 Distribution Wiring for Fujitsu 4100 | |
| ES9540-01 | TM100 T1 Multiplexer | |
| ES9540-02 | Master Clock Connectivity | |
| ES9540-03 | Node Fiber Multiplexer Details | |
| ES9540-04 | CP Fiber Multiplexer Details | |
| ES9550-01 | Cable Run List | |
| ES9550-02 | Node CCTV Connectivity | |
| ES9550-03 | Node CCTV Network Equipment | |
| ES9550-04 | CCTV Fiber Optic Multiplex Equipment | |
| ES9550-05 | Video/Audio Data Encoder | |

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| ENGINEERING STANDARD NO. | DESCRIPTION | CURRENT REVISION |
| 9000 | | |
| | COMMUNICATIONS | |
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| ES9560-01 | Equipment Rack Details | |
| ES9560-02 | Fiber Distribution Panel, 72 Port | |
| ES9560-03 | Fiber Distribution Panel, 24 Port | |
| ES9560-04 | SC Fiber Panel Details | |
| ES9560-05 | Fiber Splice Enclosure Details | |
| ES9565-01 | 100 Base T Patch Panel Details | |
| ES9565-02 | Category 6 Patch Panel Details | |
| ES9570-01 | SC to SC Fiber Patch Cord Details | |
| ES9570-02 | SC to ST Fiber Patch Cord Details | |
| ES9570-03 | SC to LC Fiber Patch Cord Details | |
| ES9570-04 | RJ45 to RJ45 Data Patch Cord Details | |
| ES9570-05 | RJ45 Data Connector Details | |
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| ES9575-02 | ADC Fiber Duct Details | |
| ES9575-03 | Cable Ladder Build Details | |
| ES9575-04 | Grounding Details | |
| ES9575-05 | Ladde Rack Panning | |
| ES9580 | Equipment Alignment and Floor Planning | |
| ES9585 | Fujitsu 4100 Shelf Details | |
| ES9590 | Fujitsu 4100 Cable Assemblies | |
| ES9595 | External (Housekeeping) Alarms | |
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| ES9600 | Typical OSP Route Diagram | |
| ES9605 | OSP Cable Assignments | |
| ES9610 | OSP Cable Labeling | |
| ES9615-01 | Hand-Hole Butterfly Diagrams | |
| ES9615-02 | Hand-Hole Layouts | |
| ES9615-03 | Hand-Hole Placement and Service Loop | |
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| ES9620-02 | Rack Mount Fiber Splicing Details | |
| ES9625-01 | Fiber Termination Details | |
| ES9625-02 | Fiber Termination Details | |
| ES9630-01 | B/B FOC Splice and Termination - Single FDP | |
| ES9630-02 | B/B FOC Splice and Termination - Dual FDP | |
| ES9635-01 | 72-Strand Fiber Optic Splice and Termination | |
| ES9635-02 | Backbone-to-Lateral Fiber Splicing | |
| ES9635-03 | Backbone-to-Lateral Fiber Splicing 72-Strand | |
| ES9635-04 | FOC Splicing, 96-, 72-, 24- Strand | |
| ES9635-05 | Multiple Lateral FOC Splicing | |
| ES9640 | Fiber Optic Cable (FOC) System Schematic | |
| ES9645 | Communications Shelter Placement | |
| ES9650-01 | Cable Depths Around Culverts and Ditches | |
| ES9650-02 | Cable Excavation Locations Near Rails | |
| ES9655 | COTT Mark Installation | |
| ES9660-01 | Hand-Hole and Conduit Planning | |
| ES9660-02 | Conduit Depth and Construction Details | |
| ES9660-03 | Typical Hand-Hole Duct System | |
| ES9665 | Trace Wire Details | |
| ES9670-01 | Quazite Hand-Hole Specifications | |
| ES9670-02 | Fiber Splice Enclosure Details | |

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| ENGINEERING STANDARD NO. | DESCRIPTION | CURRENT REVISION |
| 9000 | | |
| | COMMUN | |
| 9700 | MICROWAVE RADIO | |
| ES9700 | Required Microwave Network Architecture Simplest 2-Site loop Architecture | |
| ES9710 | Required Microwave Network Architecture Complex 2-Site loop Architecture | |
| ES9720 | Microwave Radio Site Design | |
| ES9750 | Simple Line-Of-Site Microwave Radio Link | |
| 9800 | LEASED TELEPHONE CIRCUITS | |
| ES9800 | leased Telephone Circuits Required For Voice And Data Radio Support | |
| 9900 | PRODUCTS | |
| ES9900 | Voice Radio Base Station/Repeater VHF Quantar | |
| ES9905 | VHF Base Station Omni Directional Antenna | |
| ES9910 | VHF Base Station Directional Antenna | |
| ES9915 | Radio Coaxial Transmission Line FOAM Dielectric | |
| ES9920 | Harris 5200 Microwave Radio | |
| ES9925 | Signal Processing Unit | |
| ES9930 | Controller Board (CPU) | |
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| ES9935-02 | Truepoint 5200 Radio Specifications (2 of 2) | |
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| ES9945 | Lightning Arrestor For VHF Voice Radio Antenna Sites | |
| ES9950 | Tilt Down Tower | |
| ES9960-01 | ATCS Data Radio Base Station Radio Equipment | |
| ES9960-02 | ATCS Data Radio Base Station Radio Equipment | |
| ES9970-01 | ATCS Data Radio Base Station Radio Equipment | |
| ES9970-02 | ATCS Data Radio Base Station Radio Equipment | |