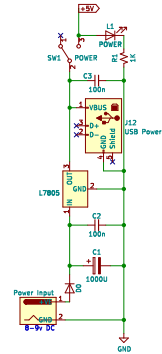


# TEC-1G



With the Shadow ROM switch ON (on Reset or OUT FF.501), the lower 2K of the 16K ROM is mapped to the lowest 2K of the memory map. This is to provide backward compatibility to older TEC-1 machines and their Monitors.

The ROM is selected (asserted LOW) if:

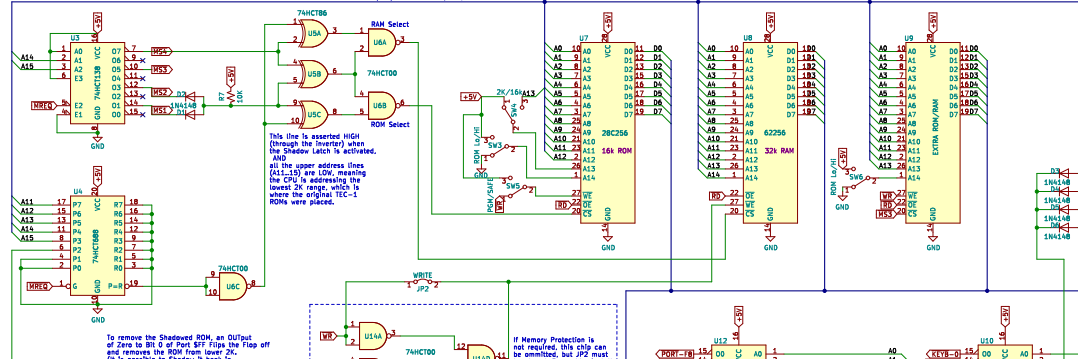
Any address in the lower 2K is requested (with Shadow ON) OR

If an address is within the top 16K of 64K.

OTHERWISE:

The RAM is selected if the address falls within the lower half (32K) of the memory map.

In this memory model, the lower 32K is all RAM in a single chip. The upper 16K of the memory map is reserved for the optional ROM, although 9% made up of a 32K EPROM with a switch to allow two monitors to be selected by the user with the switch on A14.



To remove the Shadowed ROM, an Output of Zero to Bit 0 of Port BFF flips the Trap off and removes the ROM from lower 2K. (To be possible to Shadow is best to have an Output of 1 to Bit 0 of Port BFF)

This line is asserted HIGH (through the inverter) when the Shadow Latch is activated.

All the upper address lines (A11-A15) are LOW meaning the CPU is addressing the lower 32K range, which is where the original TEC-1 ROMs were placed.

WRITE JP2

74HC100

74HC104

74HC105

74HC106

74HC107

74HC108

74HC109

74HC110

74HC111

74HC112

74HC113

74HC114

74HC115

74HC116

74HC117

74HC118

74HC119

74HC120

74HC121

74HC122

74HC123

74HC124

74HC125

74HC126

74HC127

74HC128

74HC129

74HC130

74HC131

74HC132

74HC133

74HC134

74HC135

74HC136

74HC137

74HC138

74HC139

74HC140

74HC141

74HC142

74HC143

74HC144

74HC145

74HC146

74HC147

74HC148

74HC149

74HC150

74HC151

74HC152

74HC153

74HC154

74HC155

74HC156

74HC157

74HC158

74HC159

74HC160

74HC161

74HC162

74HC163

74HC164

74HC165

74HC166

74HC167

74HC168

74HC169

74HC170

74HC171

74HC172

74HC173

74HC174

74HC175

74HC176

74HC177

74HC178

74HC179

74HC180

74HC181

74HC182

74HC183

74HC184

74HC185

74HC186

74HC187

74HC188

74HC189

74HC190

74HC191

74HC192

74HC193

74HC194

74HC195

74HC196

74HC197

74HC198

74HC199

74HC200

74HC201

74HC202

74HC203

74HC204

74HC205

74HC206

74HC207

74HC208

74HC209

74HC210

74HC211

74HC212

74HC213

74HC214

74HC215

74HC216

74HC217

74HC218

74HC219

74HC220

74HC221

74HC222

74HC223

74HC224

74HC225

74HC226

74HC227

74HC228

74HC229

74HC230

74HC231

74HC232

74HC233

74HC234

74HC235

74HC236

74HC237

74HC238

74HC239

74HC240

74HC241

74HC242

74HC243

74HC244

74HC245

74HC246

74HC247

74HC248

74HC249

74HC250

74HC251

74HC252

74HC253

74HC254

74HC255

74HC256

74HC257

74HC258

74HC259

74HC260

74HC261

74HC262

74HC263

74HC264

74HC265

74HC266

74HC267

74HC268

74HC269

74HC270

74HC271

74HC272

74HC273

74HC274

74HC275

74HC276

74HC277

74HC278

74HC279

74HC280

74HC281

74HC282

74HC283

74HC284

74HC285

74HC286

74HC287

74HC288

74HC289

74HC290

74HC291

74HC292

74HC293

74HC294

74HC295

74HC296

74HC297

74HC298

74HC299

74HC300

74HC301

74HC302

74HC303

74HC304

74HC305

74HC306

74HC307

74HC308

74HC309

74HC310

74HC311

74HC312

74HC313

74HC314

74HC315

74HC316

74HC317

74HC318

74HC319

74HC320

74HC321

74HC322

74HC323

74HC324

74HC325

74HC326

74HC327

74HC328

74HC329

74HC330

74HC331

74HC332

74HC333

74HC334

74HC335

74HC336

74HC337

74HC338

74HC339

74HC340

74HC341

74HC342

74HC343

74HC344

74HC345

74HC346

74HC347

74HC348

74HC349

74HC350

74HC351

74HC352

74HC353

74HC354

74HC355

74HC356

74HC357

74HC358