

Documentation | EN

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for Beckhoff Motion products [spec a]



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2.4 GCC

bit, execution, memory_resource, version

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charconv

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invoke.h, lfts_config.h, mutex_pool.h, node_handle.h, std_abs.h, variant

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ordered_base.h

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bad_array_length.cc, bad_array_new.cc, snprintf_lite.cc

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profiler_algos.h

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base.h, map, map.h, profiler.h, profiler_container_size.h, profiler_hash_func.h, profiler_hashtable_size.h, profiler_list_to_slist.h, profiler_list_to_vector.h, profiler_map_to_unordered_map.h, profiler_node.h, profiler_state.h, profiler_trace.h, profiler_vector_size.h, profiler_vector_to_list.h, set, unordered_map, unordered_set, vector

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bitset, bool_set, bool_set.tcc, compatibility-c++0x.cc, compatibility-thread-c++0x.cc, decimal, decimal.h, deque, dynamic_bitset, dynamic_bitset.tcc, future, future.cc, iterator_tracker.h, list, multimap.h, multiset.h, nested_exception.h, random.h, random.tcc, set.h, uniform_int_dist.h

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eh_ptr.cc, exception_ptr.h, initializer_list

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atexit_arm.cc, cxxabi_forced.h

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list_partition.h

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size_fn_imps.hpp, splay_fn_imps.hpp, splay_tree.hpp, split_fn_imps.hpp, split_join_fn_imps.hpp, sso_string_base.h, standard_policies.hpp, synth_access_traits.hpp, tag_and_trait.hpp, thin_heap.hpp, throw_allocator.h, trace_fn_imps.hpp, traits.hpp, tree_policy.hpp, tree_trace_base.hpp, trie_policy.hpp, trie_policy_base.hpp, trie_string_access_traits_imp.hpp, type_traits.h, type_utils.hpp, typelist.h, types_traits.hpp, unordered_map, unordered_set, update_fn_imps.hpp, vstring.h, vstring.tcc, vstring_fwd.h, vstring_util.h

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node_iterators.hpp

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array, array_allocator.h, atomicity.h, bitmap_allocator.h, boost_concept_check.h, functional, refwrap.h, std_function.h, tuple, type_traits, utility

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cxxabi.h, pure.cc, vec.cc

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new_handler.cc

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shared_ptr.h, shared_ptr_base.h

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boost_concept_check.h

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memory

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stl_bvector.h

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bitset, strstream

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binders.h, hash_fun.h, iterator, stl_algobase.h, stl_function.h, stl_iterator.h, stl_iterator_base_funcs.h, stl_iterator_base_types.h

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deque, deque.tcc, functional, rope, ropeimpl.h, slist, stl_deque.h, stl_heap.h

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stl_relops.h

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algorithm, hashtable.h, iterator, list, list.tcc, map, numeric, queue, set, splay_tree.hpp, stack, stl_construct.h, stl_list.h, stl_map.h, stl_multimap.h, stl_numeric.h, stl_pair.h, stl_queue.h, stl_set.h, stl_stack.h, stl_tempbuf.h, stl_tree.h, stl_uninitialized.h, utility

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allocator.h, debug_allocator.h, memoryfwd.h, pool_allocator.h

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algorithm, functional, hash_map, hash_set, memory, numeric, rb_tree, stl_algo.h, stl_multiset.h, stl_raw_storage_iter.h, stl_vector.h, vector, vector.tcc

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2.5 LwIP

altcp_proxyconnect.c, altcp_proxyconnect.h, dhcp6.c, dhcp6.h, ieee802154.h, zepif.h

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mem_priv.h

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iana.h, ieee.h

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if.h, if_api.c, if_api.h, sockets_priv.h

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dhcpc6.h

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ip6_zone.h

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lowpan6_ble.h

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snmpv3.h

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snmp_opts.h

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lowpan6.h, lowpan6_common.h, lowpan6_opts.h

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mdns.c, mdns.h, mdns_opts.h, mdns_priv.h

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lwiperf.h

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tftp_opts.h, tftp_server.c, tftp_server.h

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sntp.c, sntp.h, sntp_opts.h

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autoip.c, autoip.h

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snmp_core.h

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etharp.c, etharp.h, ethernet.c, ethernet.h

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dhcp.c, dhcp.h

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dns.c, dns.h

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ppp_impl.h

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2.6 Newlib and GCC Libraries

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devctl.h

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log2.c

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math_config.h, math_errf.c, sf_pow.c

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strsignal.c

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arc4random.h

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memchr-stub.c, memchr.S, memcpy-stub.c, strlen-armv7.S, strlen-thumb1-Os.S, strlen-thumb2-Os.S, strlen.S

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_endian.h, e_sqrt.c, ef_sqrt.c, s_fabs.c, sf_fabs.c

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aligned_alloc.c

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gnu_basename.c

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memcpy.S

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strlen-stub.c

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_pthreadtypes.h, pthread.h

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acle-compat.h, aeabi_memcpy-armv7a.S, aeabi_memcpy.c, strcmp-armv6m.S

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timingsafe_memcpy.c

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w_sqrt.S, wf_sqrt.S

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elf.h, nexttowardf.c, strverscmp.c

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arc4random.c

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features.h

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ftruncate.c, truncate.c

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stpcpy_chk.c, stpncpy_chk.c

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strlen-armv7.S

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rdimon-aem.S

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wordexp2.h

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stdatomic.h

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memchr.S

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strtoimax.c, strtoumax.c, wcstoimax.c, wcstoumax.c

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timingsafe_bcmp.c

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conjl.c, cproj.c, cprojf.c, cprojl.c

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sched.h

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xdr_private.c, xdr_private.h

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posix_spawn.c, spawn.h

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reallocarray.c

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arc4random_uniform.c

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acoshd2.h, acoshf4.h, asinhd2.h, asinhf4.h, atan2d2.h, atan2f4.h, atand2.h, atanh2d.h, atanhf4.h, erf_utils.h, erfc2d.h, erfcf4.h, erfd2.h, erff4.h, expm1d2.h, expm1f4.h, hypotf4.h, lgammad2.h, lgammaf4.h, log1pd2.h, log1pf4.h, nextafterd2.h, nextafterf4.h, sincosd2.h, sincosf4.h, tanhd2.h, tanhf4.h, tgammad2.h, tgammaf4.h
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asnprintf.c, asnprintf.c, vasnprintf.c

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csqrtl.c

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acosd2.h, asind2.h, coshd2.h, coshf4.h, hypotd2.h, isnand2.h, isnanf4.h, logbf4.h, signbitd2.h, simdmath.h, sinh2.h, sinhf4.h

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nearbyintf4.h, rintf4.h, scalbnf4.h

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acosf4.h, asinf4.h, atanf4.h, cos_sin.h, cosd2.h, cosf4.h, divd2.h, divf4.h, exp2d2.h, exp2f4.h, expd2.h, expf4.h, floord2.h, floorf4.h, ldexpd2.h, ldexpf4.h, log10d2.h, log2d2.h, log2f4.h, logd2.h, logf4.h, powd2.h, powf4.h, recipd2.h, recipf4.h, sind2.h, sinf4.h, sqrt2d2.h, sqrtf4.h, tand2.h, tanf4.h, truncd2.h, truncf4.h
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fmemopen.c, fopencookie.c, funopen.c, open_memstream.c, vasnprintf.c

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sqrtil.c

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dom_chkd_less_than.h, dom_chkd_negone_one.h, dom_chkf_less_than.h, dom_chkf_negone_one.h

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diprintf.c

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dprintf.c, vdprintf.c, vdprintf.c

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asprintf.c, fread.c, freopen.c, fwrite.h, local.h, makebuf.c, snprintf.c, snprintf.c, swprintf.c, vasprintf.c, vasprintf.c, vsnprintf.c, wsetup.c

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linux-crt0.c, linux-syscall.h, linux-syscalls0.S, linux-syscalls1.c

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atanf.h, cbrt.h, cbrtf.h, ceil.h, ceilf.h, copysign.h, copysignf.h, exp2f.h, expf.h, fabs.h, fabsf.h, fdim.h, fdimf.h, feclearexcept.h, fefpscr.h, fegetenv.h, fegetexceptflag.h, fegetround.h, feholdexcept.h, feraisexcept.h, fesetenv.h, fesetexceptflag.h, fesetround.h, fetestexcept.h, feupdateenv.h, floor.h, floorf.h, fma.h, fmaf.h, fmax.h, fmaxf.h, fmin.h, fminf.h, fmod.h, fmodf.h, frexp.h, frexpf.h, ilogb.h, ilogbf.h, ldexp.h, ldexpf.h, llrint.h, llrintf.h, llround.h, llroundf.h, log10f.h, log2f.h, logf.h, lrint.h, lrintf.h, lround.h, lroundf.h, nearbyint.h, remainder.h, remainderf.h, remquo.h, remquof.h, rint.h, round.h, roundf.h, scalbn.h, scalbnf.h, sqrt.h, trunc.h, truncf.h, vec_literal.h

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basename.c, dirname.c

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_intsup.h, _stdint.h, inttypes.h, stdint.h

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argz_insert.c

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init.c

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table-pcs.c

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iconv.h

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wcsnlen.c

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_timeval.h, strings.h

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getwc.c, getwchar.c, putwc.c, putwchar.c, wcstod.c

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tree.h

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redboot-syscalls.c

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environ.c

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locale.c

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langinfo.h, lmessages.c, nl_langinfo.c

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hcreate.c, hcreate_r.c

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namespace.h, un-namespace.h

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imaxabs.c, imaxdiv.c, labs.c, lldiv.c

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lmonetary.c, lnumeric.c

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strtod.c, strtodg.c

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timelocal.c

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gdtoa-hexnan.c

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getenv.c

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ldtoa.c

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strptime.c

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strlcat.c, strlcpy.c, wcslcat.c, wcsncpy.c

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gdtia-gethex.c, gdtia.h

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setlocale.h

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debug.c, debug.h

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collate.c, collate.h

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engine.c, regcomp.c, regerror.c, regex.c, regfree.c

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extern.h

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db_local.h, hash.c, hash.h, hash_bigkey.c, hash_buf.c, hash_log2.c, hash_page.c, page.h

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fnmatch.c

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s_remquo.c, sf_remquo.c

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access.c

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rune.h, runetype.h

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w_hypot.c, w_j0.c, w_j1.c, w_jn.c, w_lgamma.c, w_log.c, w_log10.c, w_pow.c, w_remainder.c, w_scalb.c, w_sinh.c, w_sqrt.c, w_tgamma.c, wf_acos.c, wf_acosh.c, wf_asin.c, wf_atan2.c, wf_atanh.c, wf_cosh.c, wf_exp.c, wf_exp2.c, wf_fmod.c, wf_gamma.c, wf_hypot.c, wf_j0.c, wf_j1.c, wf_jn.c, wf_lgamma.c, wf_log.c, wf_log10.c, wf_log2.c, wf_pow.c, wf_remainder.c, wf_scalb.c, wf_sinh.c, wf_sqrt.c, wf_tgamma.c, wr_gamma.c, wr_lgamma.c, wrf_gamma.c, wrf_lgamma.c

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regex.h

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qsort.c

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fnmatch.h

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ar.h

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cdefs.h, queue.h

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getsubopt.c, hash_func.c

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ndbm.c, ndbm.h, wcscmp.c

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strcasestr.c

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grp.h

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dirent.h, wcsncmp.c

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glob.c, glob.h

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atoll.c, syslimits.h

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_sigset.h

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_timespec.h, time.h

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timespec.h

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unctrl.c, unctrl.h

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setjmp-dj.h

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dtoa.c, mprec.c, mprec.h, vfiieee.h

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putenv_r.c

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getenv_r.c, setenv_r.c

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flags.c

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div.c, ldiv.c, strtoul.c, strtoull.c, wcstoul.c, wcstoull.c

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setvbuf.c, siprintf.c, siscanf.c, sprintf.c, sscanf.c, stdio.c, stdio.h, stdio64.c, swscanf.c, ungetc.c, vfscanf.c, vfwscanf.c, viprintf.c, viscanf.c, vprintf.c, vscanf.c, vsiprintf.c, vsiscanf.c, vsnprintf.c, vsprintf.c, vsscanf.c, vswprintf.c, vswscanf.c, vwprintf.c, vwscanf.c, wbuf.c, wprintf.c, wscanf.c

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rewinddir.c, strtol.c, strtoll.c, vfprintf.c, wcstol.c, wcstoll.c

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nano-vfprintf.c, nano-vfprintf_float.c, nano-vfprintf_local.h

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ctype_.c, pwd.h

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strtok_r.c, wcstok.c

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putenv.c

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getpass.c, ttyname.c, ttyname_r.c

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mktemp.c, setenv.c

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closedir.c, opendir.c, readdir.c, readdir_r.c, seekdir.c, telldir.c

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malloc.c

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wcwidth.c

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lctype.c

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ar.h, grp.h

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_sigset.h

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2.7 Other

libusbinterface.h

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Base64.cpp, Base64.h

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2.8 Xilinx Lib

xdevcfg.h, xdevcfg_hw.h

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xspips_g.c

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xdevcfg.h

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ps7_init.c, ps7_init.h

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ps7_init.h

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xemac_ieee_reg.h

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xspips.c, xspips.h

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xil_sleeptimer.c

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xil_exception.c

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DiskioSd.cpp, ff_gen_drv.c, xsdps.c, xsdps.h, xsdps_hw.h, xsdps_options.c, xsdps_sinit.c

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xilisf.c, xilisf.h, xilisf_erase.c, xilisf_intelstm.h, xilisf_read.c, xilisf_spr.c, xilisf_write.c

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fsbl.h, main.c

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ps7_init.c

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xaxiemacif_hw.c, xiicps.h, xscugic.c, xscugic.h, xttcps.c

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write.c

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port_asm_vectors.s

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xil_sleepcommon.c, xil_sleeptimer.h

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sleep.h, xplatform_info.h

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xaxiemicif.c

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xdevcfg.h

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xaxiemicif_dma.c, xdevcfg.h, xdevcfg_sinit.c, xparameters_ps.h, xttcps.h, xttcps_hw.h, xuartps.h, xuartps_hw.h

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sleep.c, usleep.c, xil-crt0.s, xtime_l.h

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xadapter.c

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xil_exception.h, xil_mem.c, xil_mem.h

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kill.c, xil_io.c, xil_io.h, xpseudo_asm_gcc.h

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xiicps_hw.c

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pcap.c, qspi.c

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boot.s, xemacps.h, xemacps_hw.h, xiicps.c, xiicps_hw.h, xiicps_intr.c, xiicps_master.c, xiicps_options.c, xiicps_selftest.c, xiicps_sinit.c, xiicps_slave.c

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xcoresightpsdcc.h, xddrps.h

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xspips_hw.c

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xilisf_atmel.h

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xil_mmu.c, xil_mmu.h

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xenv.h, xenv_standalone.h, xstatus.h

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xilrsa.h

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md5.c

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print.c, putnum.c

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2.9 mbed TLS

ssl_tls13_keys.c, ssl_tls13_keys.h

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